APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

DECEMBER 2001

12/28/2001

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL#1

Lab Number:

A1121805-01/02

Enclosed are results for sample(s) received 12/18/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures

limil			7		CHAIN-(OF-C	CHAIN-OF-CUSTODY RECORD	RECORD		LABORATORY COPY
	22632 GOLDEN S DIAMOND BAR, C	INCORPORATEO 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455	270 662 • FAX (909	3) 396-1455						
GEOFON's LAB COORDINATOR	DORDINATOR	LAB COORDINATOR'S PHONE		LAB COORDINATOR'S FAX	SFAX	2	LABORATORY SERVICE ID	LABORATORY CONTACT		MAIL REPORT (COMPANY NAME)
FD W	11000 W	909-396-7662	7662	909-39	396-1455			TOAN DE LA USSA	4250 4	CHERTON TIME.
PROJECT NAME:	-	PROJECT LOCATION	19	0	04-4364.480		LABORATORY PHONE			RECIPIENT NAME
PROJECT CONTACT		_	0 411	PROJECT FAX	×, , , ,		LABORATORY ADDRESS			ADDRESS
PROJECT ADDRESS	PROJECT ADDRESS	CITY, STATE AND ZIPCODE	1.58	CLIEŠT		X 5	XSO B. GA	CIT. STATE AND ZIPCODE	/30	226.32 GOLDEN SPRINGS DR 274
4800	4800 OAKGROVEIDE		CA	5	MY SWDIT		17 OF IN	DUSTRY CA	81416	CITY OF INDUSTRY CA 9/748 XIMMOND RAK OF 9/245
PROJECT MANAGER AS L.M.	FAHDSM	-=0	292	909-396-	396-1455		S.			
mətl	Sample Identifier	tinen.	Sign Sign Sign Sign Sign Sign Sign Sign	Source String	Alos .	<u> </u>	Tell of			Comments
1	-VEI-C-1-01	AR 12-18	1055		\alpha	1				7 7
2 TY	4-VE1-EFF-1-02		1100	Abrus 17		3 WHY X			4 W	EFFULNIT SCREW.
<u>~</u>		 								
4					-					
5			-			1				1
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	П	П	T	\top	T	Γ	1	Τ	Γ-
				COOKER TEMPERATURE UPON RECEIPT	SAMPLE'S CONDITION UPON RECEIPT				- Project Data Manager
		+		1	SAM				Yellow
		1							ct File;
_		+		-					l - Proje
-		†		- -					oldenroc
		+			TIME	12/5/			port); G
					DATE	12:56 0-81-21			lytical Re
						,			vith Ana
				COURIER AND AIR BILL NUMBER.	AA / RECEIVED BY	Mish Chr	>		Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager
					1	7			ı: White
	6		01	SAMPLES COLLECTED BY /	RELINQUESTRED BY	I show			Distribution:

Client: Geofon Incorporated Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/18/01
Matrix: Air
Units: ppbv

EPA Method TO14

<u></u>			E	PA Metho	od 1 O14	<u> </u>					
Lab No:		A11218	805-01	A1121	805-02					T	
Client Sample I.D.:		T4-VE1	-C-1-01	T4-VE1-I	EFF-1-02	}			-		
Date Sampled:		12/1	8/01	12/1	8/01			T			
Date Analyzed:		12/19	9/01	12/1						 	
QC Batch No:		0112191	MS2A1	0112191		-		 		+	
Analyst Initials:		SC		S		-		 		 -	
Dilution Factor:		1.0		1.		<u> </u>				+	
ANALYTE	MDL	Result	RL	Result	RL			† 		+	$\overline{}$
Dichlorodifluoromethane (12)	1.0	3.0	1.0	ND	1.0		 	-	+	 	+
Chloromethane	2.0	ND	2.0	ND	2.0			 	+	 -	+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0	 	†	 	+	 -	+
Vinyl Chloride	1.0	ND	1.0	ND	1.0		 	 	+-	 	
Bromomethane	1.0	ND	1.0	ND	1.0		 		 		+
Chlorocthane	1.0	ND	1.0	ND	1.0	 	 	1	1	+ -	-
Trichlorofluoromethane (11)	1.0	68	1.0	6.7	1.0		1	 	+	+	+
1,1-Dichloroethene	1.0	23	1.0	ND	1.0		†	+-	 	+	+
1,1,2-Cl 1,2,2-F ethane (113)	1.0	30	1.0	ND	1.0		1		+	 -	
Methylene Chloride	1.0	ND	1.0	ND	1.0					 	+
1,1-Dichloroethane	1.0	1.2	1.0	ND	1.0		 	 	 	+	+
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0		 	 	 	+	+
Chloroform	1.0	93	1.0	ND	1.0		 	 	†	- 	+
1,1,1-Trichloroethane	1.0	4.1	1.0	ND	1.0			 			+
Carbon Tetrachloride	1.0	175	1.0	ND	1.0				 	 	
Benzene	1.0	ND	1.0	2.7	1.0			 -	ļ		+
1,2-Dichloroethane	1.0	ND	1.0	ND	1.0	-	-	 	+	 	
Trichloroethene	1.0	98	1.0	ND	1.0			<u> </u>	-	 	
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0				 		
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0				+	+-	
Toluene	1.0	101	1.0	4.4	1.0			 	 	 	
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0				 	+	
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0			 	 	 	+
Tetrachloroethene	1.0	10	1.0	ND	1.0				<u> </u>		+
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0				 		
Chlorobenzene	I.0	ND	1.0	ND	1.0				_	 	╆
Ethylbenzene	1.0	ND	1.0	ND	1.0			-	+	 	
p,&m-Xylene	1.0	1.2	1.0	ND	1.0	-			 	 	
o-Xylene	1.0	ND ND	1.0	ND	1.0	 -		 -		 -	
Styrene	1.0	ND	1.0	ND	1.0				 	 	
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0				 -	 	
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0			 	 -	_	┼┼
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0			<u> </u>		 	$\vdash \vdash \vdash$
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0				ļ - -	 	$\vdash \vdash \vdash$
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0				 	 	╆
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0				 	 	$\vdash \vdash \vdash$
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0				 	 	\vdash
Hexachlorobutadiene	1.0	ND ND	1.0	ND					 	 	<u> </u>
	1.0	עוו	1.0	עאו	1.0						<u> </u>
							_		!		1 !

MDL = Method Detection Limit
ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 12-27-01

QC Batch #: 011219MS2A1

Matrix: Air

		E	PA Met	hod TO	14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD				-	_
Date Analyzed:	12/19/01		12/1	9/01	12/1	9/01					
Data File ID:	19DEC005.D		19DE	C003.D	19DE	C004.D					
Analyst Initials:	SC		s	C	s	C					
Dilution Factor:	1.0		1	.0	1	.0			Limits		
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.5	85	8.0	80	6.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.2	92	8.9	89	3.5	70	130	30	Pass
Trichloroethene	0.0	10.0	8.0	80	7.6	76	5.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	0.9	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.1	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

Date: 17-27-0)

12/28/2001

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number: A1121903-01/02

Enclosed are results for sample(s) received 12/19/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures

GEOFON

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

27437 GOLDKOV SPLINGS DR 270 CITY. STATE AND ZIPCODE CA 91765 BO WILLAMSON EPHULEN ! INC Comments L TXDLAY BAG MAIL REPORT (COMPANY NAME) DIAMOND BAR COOLER TEMPERATURE UPON RECEIPT Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager GEOGON SAMPLE'S CONDITION UPON RECEIPT RECIPIENT NAME SCREEN ADDRESS TOAN DELA OSSA CITY OF ENDUSTRY CA 91748 626-964-4032 626-964-5832 8501 B. CALE AVE #130 LABORATORY CONTACT LABORATORY SERVICE ID CITY, STATE AND ZIPCODE LABORATORY ADDRESS LABORATORY PHONE SOSTIBILE 13,00 TIME Thought Y ₹<u>}</u> NOGH 0-4-21 Jones Joy Od-430 4. 480 DATE 115 NAVY SLUDIT 909-396-1455 909-396-1457 7405 TO # **c**() PROJECT MANAGER'S FAX LAB COORDINATOR'S FAX Partasald * 水 PROJECT FAX INCORPORATED 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91755 • (909) 396-7662 • FAX (909) 396-1455 AIR IZ-19-01 104/CLANNE 12-9-01 1045 NOWE A CANED BY COURTER AND AIR BILL NUMBER. CLIEST STATE OF MADSONA CA PROPET MANAGER'S PHONE 909-396-7662 -47.441194502 909-396-7662 714-970-8438 CITY, STATE AND ZIPCODE 3) (C) PROJECT LOCATION LAB COORDINATOR'S PHONE tinen. PROJECT PHONE NUMBER T4-VE1-6FF-1-04 74-VEL-C-1-03 Sample Identifier LED W. WILLIAMSON 4800 OHK GAOVE DR KRAR FAMERIA GEOFON'S LAB COORDINATOR SAMPLES COLLECTED BY PROJECT CONTACT PROJECT ADDRESS 4 9

Client: Geofon Incorporated Attn: Leo W. Williamson

Client's Project: JPL#1
Date Received: 12/19/01
Matrix: Air
Units: ppbv

EPA Method TO14

				1 A Meino	7014	 _					
Lab No:		A11219	03-01	A11219	903-02	<u>_</u>		<u> </u>		T	
Client Sample I.D.:		T4-VE1-	C-1-03	T4-VE1-I	EFF-1-04	ı					
Date Sampled:		12/19	2/01	12/19	9/01	 		+ -			
Date Analyzed:		12/19		12/19		 	<u> </u>	+		┿	
QC Batch No:		011219N		0112191		 	<u> </u>				
Analyst Initials:		SC		SC				 		 	
Dilution Factor:		1.0		1.0		 		-		+	
ANALYTE	MDL	Result	RL	Result	RL	 	T	 			T .
Dichlorodifluoromethane (12)	1.0	1.9	1.0	2.8	1.0	-	-	†	+	 -	 -
Chloromethane	2.0	ND	2.0	ND	2.0		+	 	+	 -	+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0		<u>†</u> .		╅━…	 	
Vinyl Chloride	1.0	ND	1.0	ND	1.0		 	 	+-		
Bromomethane	1.0	ND	1.0	ND	1.0	 -	 	† 	+	 	+
Chloroethane	1.0	ND	1.0	ND	1.0	_		 	+	 -	+ -
Trichloroffuoromethane (11)	1.0	61	1.0	20	1.0		 	 -	+ -	-	-
1,1-Dichloroethene	1.0	34	1.0	ND	1.0		+-	 	 	- 	+
1,1,2-Ci 1,2,2-F ethane (113)	1.0	43	1.0	2.4	1.0	 	 	 	+	 	+
Mcthylene Chloride	1.0	ND	1.0	ND	1.0	 	 	† 	+	 	+
1,1-Dichloroethane	1.0	1.5	1.0	ND	1.0		 	 	 	 	+
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	 	-	 -	╁		┼
Chloroform	1.0	99	1.0	ND	1.0		1	 	 	 	+
1,1,1-Trichloroethane	1.0	5.7	1.0	ND	1.0	_	 	 -	<u> </u>	 	 -
Carbon Tetrachloride	1.0	215	1.0	ND	1.0				+	 	
Benzene	1.0	ND	1.0	2.4	1.0		1	-	 	 -	
1,2-Dichloroethane	1.0	1.2	1.0	ND	1.0	_	ļ		1	† 	
Trichloroethene	1.0	112	1.0	ND	1.0					 -	
1,2-Dichloropropane	1.0	ND	1.0	ND	1.0			 			
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0				 	-	
Toluene	1.0	35	1.0	3.9	1.0					<u> </u>	1
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0					<u> </u>	
1,1,2-Trichloroethane	1.0	ND	1.0	ND	1.0		-	 			
Tetrachloroethene	1.0	13	1.0	ND	1.0						1 1
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0				 		1
Chlorobenzenc	1.0	ND	1.0	ND	1.0				<u> </u>		
Ethylbenzene	1.0	ND	1.0	ND	1.0				i		
p,&m-Xylene	1.0	1.3	1.0	ND	1.0		_				1
o-Xylene	1.0	ND	1.0	ND	1.0					<u> </u>	1
Styrene	1.0	ND	1.0	ND	1.0				_		T .
I,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	2,0	ND	2.0				1		[
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0				1		
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0	-			 		
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0						† 1
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0		-	_	i		<u>†</u>
											┼┼┼
									<u></u>	<u></u>	

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

The cover letter is an integral part of this analytical report

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 12-7.7-01

QC Batch #: 011219MS2A1

Matrix: Air

		E	PA Met	hod TO	14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD					
Date Analyzed:	12/19/01		12/1	9/01	12/1	19/01					
Data File ID:	19DEC005.D		19DE	C003.D	19DE	C004.D					
Analyst Initials:	SC		S	C	s	C					
Dilution Factor:	1.0		1	.0	1	.0			Limits		
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.5	85	8.0	80	6.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.2	92	8.9	89	3.5	70	130	30	Pass
Trichloroethene	0.0	10.0	8.0	80	7.6	76	5.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	0.9	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.1	70	130	30	Pass
		<u></u>		<u>. </u>							

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

Date: 12-27-01

12/28/2001

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A1122002-01/02

Enclosed are results for sample(s) received 12/20/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures

A1122002

GEOFON

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 Garan SPUNGS DE 270 US NAVY SUDIVICITY OF DISUSTICY CA 91748 DIAMONS BAR CA 91765 (PD W. WILLIAMSON SCREEN- EFFLUENT GRAPON INC Comments LTEDLANG BAG MAIL REPORT (COMPANY NAME) COOLER TEMPERATURE UPON RECEIPT CITY, STATE AND ZIPCODE SAMPLE'S CONDITION UPON RECEIPT RECIPIENT NAME SC REEN-JOHN DE LA OSSA PROJECT NUMBER

C4-4304.480626-964-4032-626-964-5832 18501 & GALE ANE #130 CITY, STATE AND SIPCODE LABORATORY CONTACT LABORATORY SERVICE ID LABORATORY ADDRESS 2 Saskieux 12-20-01 13:25 ₹<u>`</u> 120g NORM San Joo DATE 909-396-1453 1100 10 # \mathcal{C}_{λ} 909-396-PROJECT MANAGER'S FAX LAB COORDINATOR'S FAX Partagald * * PROJECT FAX 22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7455
OIAMOND BAR, CA 91765 • (909) 396-1455
OR CORDINATOR'S PHONE
LAB COORDINATOR'S PHONE なりな ande RECEIVED BY COURTER AND AIR BILL NUMBER, SHIT! aye C 909-396-7662 909-396-7662 5 719-920-8438 A1R 1220 12-20-C PROJECT LOCATION twen. MX ADISOUM PROJECT MANAGER'S CITY, STATE AND ZIPCODE PROJECT PHONE NUMBER AIR 70-130-131-17 74-VEI-C-1-05 Sample Identifier LED W. INICIAMSON Let w. WILLIAMSON 4800 CAKGAGAE DE PROJECT MANAGER PAHEEM GEOFON's LAB COORDINATOR SAMPLES COLLECTED 8Y 4 PROJECT CONTACT PROJECT ADDRESS KRAR 10 9 6

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated Attn: Leo W. Williamson

Client's Project: JPL#1
Date Received: 12/20/01
Matrix: Air
Units: ppbv

	EPA	Method	TO14
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						T					
Lab No:		A11220	02-01	A11220	002-02	 					
Client Sample I.D.:		T4-VE1-	C-1-05	T4-VE1-H	EFF-1-06				_		
Date Sampled:		12/20	//01	12/20	0/01		_			T	
Date Analyzed:		12/21	/01	12/21	[/01					<u> </u>	
QC Batch No:		011221N	4S2A1	011221N	MS2A1			I			
Analyst Initials:		SC		SC	<u> </u>						
Dilution Factor:		1.0		1.0		<u></u>				I.	
ANALYTE	MDL	Result	RL	Result	RL						I
Dichlorodifluoromethane (12)	1.0	1.7	1.0	3.1	1.0				\bot		
Chloromethane	2.0	ND	2,0	ND	2.0				$oxedsymbol{oxedsymbol{oxed}}$		
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0				oxdot		
Vinyl Chloride	1.0	ND	1.0	ND	1.0	<u> </u>	$\perp \overline{}$				
Bromomethane	1.0	ND	1.0	ND	1.0			L	$\bot \overline{\Box}$		
Chloroethane	1.0	ND	1.0	ND	1.0		$oxed{\Box}$	<u> </u>			\perp
Trichlorofluoromethane (11)	1.0	56	1.0	23	1.0		<u> </u>				L
1,1-Dichloroethene	1.0	43	1,0	ND	1.0				oxdot		\bot
I,1,2-Cl 1,2,2-F ethane (113)	1.0	47	1.0	3.3	1.0						
Methylene Chloride	1.0	ND	1.0	ND	1.0	<u> </u>			<u> </u>		
I,1-Dichloroethane	1.0	1.8	1.0	ND	1.0				<u> </u>		
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0	<u> </u>	<u> </u>				
Chloroform	1.0	115	1,0	ND	1.0	ļ	ļ		oxdot		
1,1,1-Trichloroethane	1.0	7.3	1,0	ND	1.0	ļ			$oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$		
Carbon Tetrachloride	0.1	249	1.0	ND	1.0		<u> </u>		<u></u>		<u> </u>
Benzene	1.0	ND	1.0	1.7	1.0				<u></u>		
I,2-Dichloroethane	1,0	1.4	1.0	ND	1.0		ļ	<u> </u>	<u> </u>		
Trichloroethene	1.0	135	1.0	ND	1.0		<u> </u>	<u> </u>	ļ	<u> </u>	
1,2-Dichloropropane	0.1	ND	1.0	ND	1.0			<u> </u>	ļ	<u> </u>	
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0		<u> </u>	ļ	<u> </u>	<u> </u>	igsquare
Toluene	1.0	22	1.0	2.5	1.0		<u> </u>	ļ			igsquare
t-1,3-Dichloropropene	1.0	ND	1.0	ND	1,0	<u> </u>			<u> </u>		igsquare
1,1,2-Trichloroethane	1.0	ND 10	1.0	ND	1.0		 	ļ			↓
Tetrachloroethene	1.0	19	1,0	ND	1.0		_	<u> </u>			├
I,2-Dibromoethane	1.0	ND	0.1	ND	1.0		<u> </u>	ļ		<u> </u>	igwdown
Chlorobenzene	1.0	ND	1.0	ND	1.0		<u> </u>		<u> </u>	<u> </u>	\vdash
Ethylbenzene	1.0	ND	1.0	ND	1.0		 	ļ	<u> </u>	<u> </u>	├
p,&m-Xylene	1.0	I.1	1.0	ND	1.0		<u> </u>	ļ	 	ļ	$\vdash \vdash \vdash$
o-Xylene	1.0	ND ND	1.0	ND ND	1.0		 	L			├ ──┤
Styrene	1.0	ND ND	1.0	ND	1.0		——	L	-	ļ 	├
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND ND	2.0					-	
1,3,5-Trimethylbenzene	2.0	ND ND	2.0	ND ND	2.0				ļ		┞──╢
I,2,4-Trimethylbenzene	2.0	ND ND	2,0	ND	2.0					-	┞──┤
1,3-Dichlorobenzene	1.0	ND ND	1.0	ND ND	1.0					ļ	├──-
1,4-Dichlorobenzene	1.0	ND ND	1.0	ND ND	1.0			·		 1	├
1,2-Dichlorobenzene	1.0	ND ND	1.0	ND ND	1.0			<u> </u>	 		├──-{}
I,2,4-Trichlorobenzene	2.0	ND ND	2.0	ND ND	2.0					-	$\vdash \!$
Hexachlorobutadiene	1.0	ND	1,0	ND	1.0					<u> </u>	
											ı []

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Date 17-27-01

Mark Johnson

Air Toxics Operations Manager

QC Batch #: 011221MS2A1

Matrix: Air

		E	PA Met	hod TO	14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD		·			
Date Analyzed:	12/21/01	<u> </u>	12/2	1/01	12/2	21/01					
Data File ID:	21DEC005.D		21DE	C003.D	21DE	C004.D					
Analyst Initials:	SC		s	C	S	C					
Dilution Factor:	1.0		. 1	.0	1	.0			Limits		1
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1 <u>,</u> 1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	1.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.8	98	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.9	79	0.1	70	130	30	Pass
Toluene	0.0	10.0	8.3	83	8.3	83	0.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.3	83	1.5	70	130	30	Pass
		<u></u>									

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Reviewed/Approved By:

Mark Joh

Air Toxic

The cover letter is an integral part of this analytical report

Date: 12-27-01

12/28/2001

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A1122101-01/02

Enclosed are results for sample(s) received 12/21/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/27/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely.

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures

CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632 GOLDAN SHUNGS DK 270 DIAMOND BAR CA 91765 IED W. WILLIAMSON BFFLUENT CHOPON INC Comments TRISLAN BAG MAIL REPORT (COMPANY NAME) COOLER TEMPERATURE UPON RECEIPT CITY. STATE AND ZIPCODE Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager SAMPLE'S CONDITION UPON RECEIPT RECIPIENT NAME Schoon Schan ADDRESS × 50AN DE LA 055A CITY OF ENDUSTRY CA 91748 04-4304. 480626-964-4032 626-964-5832 18501 B. CALE MIR #130 CITY. STATE AND STREAM LABORATORY CONTACT LABORATORY SERVICE ID LABORATORY ADDRESS 4 Saskienk TME 12.42 ₹<u>}</u> Mar ANGA 12-27-01 US NAVY SWAIN DATE San Joo 909-396-1455 909-396-145 1100 to # ۲ PROJECT MANAGER'S FAX LAB COORDINATOR'S FAX Partagald 火 * PROJECT FAX IN CORPORATEO 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 12-4-01/1030 11.201/ The Branch Brande Branch Branch Branch Branch Branch Branch Branch Branch Branc In-21-01 1035 MOVE COURIER AND AIR BILL NUMBER alij. PARANAGES PHONE 909-396-7662 3/80 909-396-7662 714-920-8438 LAB COORDINATOR'S PHONE PROJECT LOCATION tuen. PROJECT PHONE NUMBER CITY, STATE AND ZIPCODE 74-VEL-6FE-1-08 14-VE1-C-1-07 150 W.WILLAMSON Sample Identifier 1800 ONK CACHE DR. PROJECT NAME: WILLIAM SON KLM MARON SAMPLES COLLECTED BY GEOFON' (LAB COORDINATOR PROJECT MANAGER PROJECT ADDRESS PROJECT CONTACT ø ∞ 1 0

Client: Geofon Incorporated Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/21/01
Matrix: Air
Units: ppbv

EPA	Meth	od '	ΓΟ14

				I A Memo	4 1014	<u> </u>		·			
Lab No:		A11221	01-01	A11221	101-02						
Client Sample I.D.:		T4-VE1-	C-1-07	T4-VE1-I	EFF-1-08				-		
Date Sampled:		12/21	/01	12/2	1/01			 		-	
Date Analyzed:		12/21		12/21				 		 	
QC Batch No:		011221N		0112211		<u> </u>		 		-	
Analyst Initials:		SC		SC				+			 -
Dilution Factor:		2.0		1.4				+	·		
ANALYTE	MDL	Result	RL	Result	RL			+	т —	+	
Dichlorodifluoromethane (12)	1.0	ND	2.0	3.1	1.0	 			+	+	╅
Chloromethane	2.0	ND	4.0	ND	2.0		┼──	 -	 	 	+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0		 -	 	+	-	+
Vinyl Chloride	1.0	ND	2.0	ND	1.0			-		+	
Bromomethane	1.0	ND	2.0	ND	1.0		<u> </u>	 	+	 -	+-
Chloroethane	1.0	ND	2.0	ND	1.0	 	1	 	+	 -	+
Trichlorofluoromethane (11)	1.0	55	2.0	26	1.0	 	 	 	 	 	+
1,I-Dichloroethene	1.0	42	2.0	ND	1.0		 	 	+		+ -
1,1,2-Cl 1,2,2-F ethane (113)	1.0	51	2.0	5.0	1.0		 	 	+	-	-
Methylene Chloride	1.0	ND	2.0	ND	1.0	 	 	+	+ -	+	+
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0	 -	 	+	-		┼
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0		<u> </u>	 	+-		
Chloroform	1.0	120	2.0	ND	1.0	<u>-</u>		 -			+-
1,1,1-Trichloroethane	1.0	8.4	2.0	ND	1.0			 	·		
Carbon Tetrachloride	1.0	281	2.0	ND	1.0			 	-	 	+
Benzene	1.0	ND	2.0	1.4	1.0		 	 	+	 -	+
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0		-	 	1	 	
Trichloroethene	1.0	134	2.0	ND	1.0			 	 -		+
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0				 		+
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0		 -	 	_	_	+
Toluene	1.0	7.7	2.0	1.9	1.0		-	 	† 	<u> </u>	+
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0		_	-	 	 -	
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0				 	 	+
Tetrachloroethene	1.0	27	2.0	ND	1,0			 			 -
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0				 	 	+
Chlorobenzene	1.0	ND	2.0	ŃD	1.0				†	 	+
Ethylbenzene	1.0	ND	2.0	ND	1.0		-	 	 	 	┼──┤
p,&m-Xylene	1.0	4.7	2.0	ND	1.0			 	 		╂╼═┤
o-Xylene	1.0	2.5	2.0	ND	1.0			-	 	 	┼
Styrene	1.0	ND	2.0	ND	1.0		-	 		 	
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0				 -		┼
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0			 	 	 	┼─┤
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0			 -		 -	 -
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0				 	 -	
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0		_		 		┼─┤
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0	-		 -	 	 	
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0			 -	 -	 	+
Hexachlorobutadjene	1.0	ND	2.0	ND	1.0				$\vdash -$		+-
		- 120		1111	- 1.0					 	
MDI = Mathod Detection Limit	<u>_</u>								<u> </u>	<u>l., .</u>	<u> </u>

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

eviewed/Approved by:

Mark Johnson

Air Toxics Operations Manager

Date 17-27-01

QC Batch #: 011221MS2A1

Matrix: Air

		E	PA Met	hod TO	14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD	_				
Date Analyzed:	12/21/01		12/2	21/01	12/2	21/01					
Data File ID:	21DEC005.D	·	21DE	C003.D	21DE	C004.D					
Analyst Initials:	SC		S	C	s	C					ĺ
Dilution Factor:	1.0		1	.0	1	.0			Limits		!
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	1.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.8	98	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.9	79	0.1	70	130	30	Pass
Toluene	0.0	10.0	8.3	83	8.3	83	0.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.3	83	1.5	70	130	30	Pass
				<u></u>		<u></u>					

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

Date: 12-27-01

12/31/2001

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A1122402-01/02

Enclosed are results for sample(s) received 12/24/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/31/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures

LABORATORY COPY CHAIN-OF-CUSTODY RECORD I N C O R P O R A T E O 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7462 • FAX (909) 396-1455

DIAMOND BAH, CA 91765	DIAMOND BAH, CA 91765 • (909) 396-7662 • FAX (909) 396-1455	9) 396-1455	ŀ	
GEOFONN LAB COORDINATOR LAB COORD	LAB COORDINATOR'S PHONE	_	LABORATORY SERVICE ID LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
AMON	1-346-7662	1909-3	DOWN DIF UT 058A	H CKOPON INC
PROJECT NAME: 0 # 1 PROJECT LO	PROJECT LOCATION VE)	PROJECT NUMBER 24-4364-4804-480 226-964-7832	RE 77
" mostrati	714-920-8438	PROJECT FAX	ISCOLATORY ADDRESS	221.32 (TINE) SHINGS DK 270
□ 🧷	CITY, STATE AND ZIPCODE	CLIEST / CL.13/1/	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
1	ANAGER'S	PROJECT MANAGER'S FAX	PROJECT MANGER'S FAX	STAMPOND SMS CALLINS
W MIREN	467-576-4662	307-516-1175	Sartie K	
Sample Identifier	Wed they	The series of th		Comments
1 74-121-8-2-01	yel O	* S	4	* L TEDLAY CAG.
2 T4-VB1-BF-2-02	41 R 12240 0940 NOWB	# S		SCARON - EFFLUENT
3				
4				
2				
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7				
8				
6				
01				
SAMPLES COLLECTED BY PORTY	COURIER AND AIR BILL NUMBER	1L NUMBER.	5	COOLER TEMPERATURE UPON RECEIPT
RELINOMENTED BY		RECEIVED BY PATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
Jan Hahr	me)	da literal	7 11:74	
Distribution:	White - Laboratory (To be returned with Analytical 1	Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager	roject Data Manager

Client's Project: JPL #1
Date Received: 12/24/01
Matrix: Air

Units: ppbv

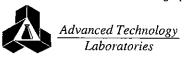
EPA	Method	TO14	

L				1 A Memo							
Lab No:		A11224	02-01	A11224	102-02						
Client Sample I.D.:		T4-VE1-	B-2-01	T4-VE1-E	EFF-2-02						
Date Sampled:		12/24	/01	12/24	1/01	ļ ——				 	
Date Analyzed:		12/26		12/20				 		+	-
QC Batch No:	_	011226N		011226				 		+	·
Analyst Initials:	_	sc		SC		 		 		+	
Dilution Factor:		1.0		1.0		<u> </u>				+	
ANALYTE	MDL	Result	RL	Result	RL		T		7 -	 	T
Dichlorodifluoromethane (12)	1.0	14	1.0	2.5	1.0		 	 	+	+	+
Chloromethane	2.0	ND	2.0	ND	2.0		 	 	+	 	+ -
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	1.0	ND	1.0	 			+	 -	
Vinyl Chloride	1.0	ND	1.0	ND	1.0		 	 	+	 -	_
Bromomethane	1.0	ND	1.0	ND	1.0			 	+-	 	-
Chloroethane	1.0	ND	1.0	ND	1.0		<u> </u>	 	+	 -	
Trichlorofluoromethane (11)	1.0	3.3	1.0	95	1.0	-	 -	 	+		+
1,1-Dichloroethene	1.0	6.1	1.0	ND ND	1.0			 	+		 -
1,1,2-Cl 1,2,2-F ethane (113)	1.0	8.9	1.0	66	1.0				┼─-	 	-
Methylene Chloride	1.0	1.7	1.0	ND	1.0	 	 -	 	 -		+-
1,1-Dichloroethane	1.0	ND	1.0	ND	1.0		 	-	 	 	 -
c-1,2-Dichloroethene	1.0	ND	1.0	ND	1.0			 	+	 	ļ
Chloroform	1.0	176	1.0	ND ND				 	╄	 	
1,1,1-Trichloroethane	1.0	4.2		ND	1.0	<u> </u>	 -		 		
Carbon Tetrachloride	1.0	184	1.0	ND	1.0		ļ	<u> </u>			<u> </u>
Benzene	1.0	ND	1.0		1.0		<u> </u>		}	ļ <u>.</u>	-
1.2-Dichloroethane	1.0	ND	1.0	1.6 ND	1.0		 -	 -	 	<u> </u>	<u> </u>
Trichloroethene	1.0	15	1.0		1.0			<u> </u>	 	ļ. <u> </u>	ļ
1,2-Dichloropropane	1.0	ND I	1.0	ND ND	1.0		 	 -	 -		
c-1,3-Dichloropropene	1.0	ND	1.0	ND	1.0					<u> </u>	
Toluene	1.0		1.0	ND	1,0		<u> </u>		 	<u> </u>	
	1.0	113 ND	1.0	4.7	1,0		<u> </u>	<u> </u>	-		
t-1,3-Dichloropropene		ND	1.0	ND	1.0			<u> </u>	<u> </u>		
1,1,2-Trichloroethanc	1.0	ND	1.0	ND	1.0				 		
Tetrachloroethene	1.0	3.2	1.0	ND	1.0				ļ	ļ	<u> </u>
1,2-Dibromoethane	1.0	ND	1.0	ND	1.0				<u> </u>		
Chlorobenzene	1.0	ND	1.0	ND	1.0					<u> </u>	
Ethylbenzene	1.0	ND	1.0	ND	1.0				<u> </u>		
p.&m-Xylene	1.0	ND	0.1	ND	1.0	· _ -			<u> </u>		<u> </u>
o-Xylene	1.0	ND	1.0	ND	1.0						
Styrene	1,0	ND	1.0	<u>ND</u>	1.0						
1,1,2,2-Tetrachloroethane	2.0	ND	2.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	2.0	ND	2.0			<u> </u>			
1,2,4-Trimethylbenzene	2.0	ND	2.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	1.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	2.0	ND	2.0						
Hexachlorobutadiene	1.0	ND	1.0	ND	1.0						
										-	┌─┤
MDI = Method Detection Limit			 -							<u> </u>	

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson Air Toxics Operations Manager Date 12-31-01



QC Batch #: 011226MS2A1

Matrix: Air

		E	PA Met	hod TO	14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD		-			
Date Analyzed:	12/26/01		12/2	26/01	12/2	26/01					
Data File ID:	26DEC005.D		26DE	C003.D	26DE	C004.D					
Analyst Initials:	SC]	S	C	s	C					
Dilution Factor:	1.0		1	.0_	1	.0		-	Limits		
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.8	88	8.6	86	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.5	95	1.1	70	130	30	Pass
Trichloroethene	0.0	10.0	8.2	82	8.0	80	2.6	70	130	30	Pass
Toluene	0.0	10.0	8.5	85	8.4	84	1.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.8	88	2.5	70	130	30	Pass
				<u> </u>		<u></u>	<u></u>				

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

 $t_{C_{i}}$

Date: 17-3/-6/

12/31/2001

Geofon, Inc.

ATTN: Leo W. Williamson 22632 Golden Springs Dr., Suite 270 Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number: A122602-01/02

Enclosed are results for sample(s) received 12/26/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 12/31/01.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures

LABORATORY COPY

CHOPORON SPRINGS DR., SUITE 270

N-OF-CUSTODY RECORD

DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455	909) 396-7662 • FAX (909) 396-1455					
GEOFON'S LAB COORDINATOR	TOR'S PHONE	LAB COORDINATOR'S FAX		LABORATORY SERVICE 10	LABORATORY CONTACT	MAJL REPORT (COMPANY NAME)	τ
16 (MACSON)	909-396-7662	904-396-14	2		JOHN BY LA OSSA	GENTLY INC	
	JOLVE!		. 48C	LABORATORY PHONE	PROJECT NUMBER 04-4304 48C 626-964-403 626-964-(832	RECIPIENT NAME (CA) (D. 1 DILL 1974 Com)	т
LRD LD. WILL IBUTON 7/4-97	714-920-8 438	PROJECT FAX		CABORATORY ADDRESS	LABORATORY ADDRESS	ADDRESS (SOLDEN) S. P. L. J. C. N. 270	1 ~
	D A C A	US NAVY S	7/8	CITY. STATE AND ZIPCODE	MEY CA 91748	AVY SUDIV PITY OF TANIOTES OF 91748 DIAMON, 1848 CA 2126	1
1	PROJECT MANAGER'S PHONE O G O G / / / / >	ANAGE C	1	3			т —
17111CG 17	7001.015	٥		T. S. T. C.			
Sample Identifier	Wallit Sale All	CONTRACTOR OF CONTRACTOR	1. 2. 2. 20 J. 20			Comments	
1 TY-VB1-B-2-03 AIR	12. Ball	S 4/ 800	MAIN		*	L TEDUME BAG SCREAN- B	т г
2 TH-VEI-12FF-2-04	AIR True HOC WOLF	* 3	1367	×	75	SCREW- FFLUENT	, ı
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4			_				
5							, ,
9			<u> </u>				
7							 -
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SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER	L NUMBER.			COOLE	COOLER TEMPERATURE UPON RECEIPT	1
RELINOUGHED BY		RECEIVED BY	+	TIME	SAMPLE'S CO	SAMPLE'S CONDITION UPON RECEIPT	-
The state of the s	1 1 mm	100	10977	(CX)			
							, ,
Distribution: W	/hite - Laboratory (7	o be returned with Anal	ytical Rep	ort); Goldenrod -	Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager	ect Data Manager	

Client: Geofon Incorporated Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/26/01
Matrix: Air
Units: ppbv

EPA Method TO14

			~~~	I A MICHIO							
Lab No:		A11226	02-01	A11226	502-02						
Client Sample I.D.;		T4-VE1-	B-2-03	T4-VE1-F	CFF-2-04					,	
Date Sampled:	-	12/26	5/01	12/20	5/01	<del>                                     </del>		1		-	
Date Analyzed:		12/26		12/26		<u> </u>		<del>                                     </del>		_	<del></del> -
QC Batch No:		011226N		0112261		<del> </del>	-				
Analyst Initials:	-	SC		SC		<del>                                     </del>					
Dilution Factor:	-	2.0		1.6		_		<u> </u>		-	
ANALYTE	MDL	Result	RL	Result	RL		<del></del>	<del>†</del>	<del></del>	<del>                                     </del>	<del></del>
Dichlorodifluoromethane (12)	1.0	6.4	2.0	8.1	1.0	<u> </u>	† <del></del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	+
Chloromethane	2.0	ND	4.0	ND	2.0		1		<del>                                     </del>		+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0		1			†	+
Vinyl Chloride	1.0	ND	2.0	ND	1.0	-		<del>                                     </del>		<del>                                     </del>	+
Bromomethane	1.0	ND	2.0	ND	1.0	· · · · ·	t	<del>                                     </del>	1	<del>                                     </del>	+
Chloroethane	1.0	ND	2.0	ND	1.0			<del>                                     </del>	<del> </del>	1	+-
Trichlorofluoromethane (11)	1.0	19	2.0	141	1.0		<del>                                     </del>	<u> </u>	1	<del></del>	+
1,1-Dichloroethene	1.0	46	2.0	ND	1.0	<del> </del>	<del>                                     </del>	<u> </u>	1	<del> </del>	+
1,1,2-Cl 1,2,2-F ethane (113)	1.0	57	2.0	153	1.0	· · · · ·		1	<b> </b>	+	+-
Methylene Chloride	1.0	ND	2.0	1.3	1.0			<u> </u>	1	_	1
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0		<del>                                     </del>	<del> </del>	1	<del> </del> -	+
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0			<del> </del>	1	·	+
Chloroform	1.0	147	2.0	ND	1.0		<u></u>	··	ļ		<del>†                                     </del>
1,1,1-Trichloroethane	1.0	14	2.0	ND	1.0	i				<del>                                     </del>	<del>†                                     </del>
Carbon Tetrachloride	1.0	271	2.0	ND	1.0	<u> </u>		<del>                                     </del>	†		+
Benzene	1.0	ND	2.0	3.6	1.0			_		<del> </del> -	+
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0				<u> </u>		+
Trichloroethene	1.0	70	2.0	ND	1.0					<del>                                     </del>	+
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0					_	+
c-1,3-Dichloropropene	1.0	ND	2.0	ND ND	1.0				<b>†</b>		+
Toluene	1.0	129	2.0	4.6	1.0		·				+ -
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0		-		<u> </u>		†
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0				····	<del>                                     </del>	†
Tetrachloroethene	1.0	13	2.0	ND	1.0	_				<del>                                     </del>	<del>                                     </del>
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0	_				<del> </del>	1
Chlorobenzene	1.0	ND	2.0	ND	1.0						
Ethylbenzene	1.0	ND	2.0	ND	1.0					<u> </u>	+
p,&m-Xylene	1.0	2.3	2.0	ND	1.0					<del>-</del>	<del>                                     </del>
o-Xylene	1.0	ND	2.0	ND	1.0				<del> </del>	† · · · ·	†
Styrene	1.0	ND	2.0	ND	1.0					Τ	<del>  </del>
1,1,2,2-Tetrachlorocthane	2.0	ND	4.0	ND	2.0			-	t		+
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0						$\dagger$
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0	-					<del>                                     </del>
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0		-		<u> </u>	· ·	$\vdash$
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0					-	$\vdash$
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0					<del>                                     </del>	╆═┩
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0					<u> </u>	ヤ──┤
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0						†
	· · ·				<del></del>				<del> </del>	<del></del>	┼─┤
·										<u> </u>	

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson
Air Toxics Operations Manager

Date 12-31-01

QC Batch #: 011226MS2A1

Matrix: Air

		E	PA Met	thod TO	14/TO-	15			<u> </u>		
Lab No:	Method Blank		L	CS	LC	CSD		<u> </u>	<del>.</del>		
Date Analyzed:	12/26/01		12/2	26/01	12/2	6/01					
Data File ID:	26DEC005.D		26DE	C003.D	26DE	C004.D					
Analyst Initials:	SC		S	C	s	C					
Dilution Factor:	1.0		1	.0	1	.0			Limits		
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.8	88	8.6	86	2.8	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.5	95	1.1	70	130	30	Pass
Trichloroethene	0.0	10.0	8.2	82	8.0	80	2.6	70	130	30	Pass
Toluene	0.0	10.0	8.5	85	8.4	84	1.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.8	88	2.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:

1,11

Mark Johnson

**Air Toxics Operations Manager** 

The cover letter is an integral part of this analytical report

Date: 12-31-01

### 01/04/2002

Geofon, Inc.

ATTN: Leo W. Williamson 22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A1122702-01/02

Enclosed are results for sample(s) received 12/27/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely.

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

### GEOFON

# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

27632 GOLDBAN SPLINGS DR DIAMOND BAR CA 91765 LED W. WILLIAMSON EFFLUEN TYC B 46 Comments MAIL REPORT (COMPANY NAME) (FO) FON RECIPIENT NAME COOLER TEMPERATURE UPON RECEIPT CITY. STATE AND ZIPCODE Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager - TRALAN SAMPLE'S CONDITION UPON RECEIPT SCREEN -SCREW -DONU DE LA OSSA US NAVY SWENT CITY OF THEN STIET GA 91748 04-4304:480 626-964-4032 626-964-5832 18501 G. CALE AVE #130 LABORATORY CONTACT LABORATORY SERVICE 1D CITY. STATE AND ZIPCODE LABORATORY ADDRESS SOSKIEUR 13:45 ZZ 12-27-01 San John 909-396-1455 309-396-145 WOS COM 3 PROJECT MANAGER'S FAX LAB COORDINATOR'S FAX Contesold 老 * PROJECT FAX IN CORPORATE CO 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 12-27-1 1030 MENUE A11/212-23-0 1025 MANJE RECEIVED BY COURIER AND AIR BILL NUMBER. CLIEN SHIT! MSADENJA CH PROPERTY 909-396-7662 5 7/4-920-8438 CIT; STATE AND ZIPCODE 3,80 LAB COORDINATOR'S PHONE turen. PROJECT LOCATION PROJECT PHONE NUMBER 74-181-89-2-06 T4-VE1-1-2-05 PROJECTIVAL # / Sample Identifier CO W. WILLIAMSON ÆD BY 4900 CAILGAGVE DR. PHEEM GEOFON'S LAB COORDINATOR SAMPLES COLLECTED BY PROJECT ADDRESS PROJECT CONTACT KRAR prof 4 9

Client: Geofon Incorporated Attn: Leo W. Williamson

Client's Project: JPL#1
Date Received: 12/27/01
Matrix: Air
Units: ppbv

### EPA Method TO14

	_			r A Memo	1014	<del></del>					
Lab No:		A11227	02-01	A11227	702-02			<u> </u>			
Client Sample I.D.:	-	T4-VE1-	B-2-05	T4-VE1-E	CFF-2-06	;					
Date Sampled:		12/27	7/01	12/27	7/01					+	
Date Analyzed:		12/28		12/28						+	
QC Batch No:		011228N		0112281				<del>                                     </del>		<del></del>	
Analyst Initials:		SC		SC				+		+	
Dilution Factor:		2.0		1.0				<del>                                     </del>			
ANALYTE	MDL	Result	RL	Result	RL	<u>.                                    </u>	i	<del>†                                     </del>	<del>† -</del>	+	
Dichlorodifluoromethane (12)	1.0	5.4	2.0	2.5	1.0		-		+	+	+
Chloromethane	2.0	ND	4.0	ND	2.0		-	<del> </del>	<del> </del>	+	+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0		<del>                                     </del>	ļ	<del>  -</del>	+	<del> </del> -
Vinyl Chloride	1.0	ND	2.0	ND	1.0			-	╁	<del> </del>	<del> </del>
Bromomethane	1.0	ND	2.0	ND	1.0	<del>                                     </del>	<del> </del>		+	+ -	+
Chloroethane	1.0	ND	2.0	ND	1.0	<del> </del>	-	+	+	+-	<del></del>
Trichlorofluoromethane (11)	1.0	23	2.0	160	1.0		<del> </del>	+	+	<del> </del> -	+
1,1-Dichloroethene	1.0	59	2.0	ND	1.0	<del> </del>	<del> </del>	<del> </del>	+-	<del> </del>	+
1,1,2-Cl 1,2,2-F ethane (113)	1.0	71	2.0	182	1.0		<del> </del>	<del>                                       </del>	+		<del>- </del> -
Methylene Chloride	1.0	ND	2.0	1.4	1.0	-	<del>                                     </del>	+	<del></del>	-	-
1,1-Dichloroethane	1.0	ND	2.0	ND	1.0	<del> </del>	<del>  -</del>	<del> </del>	+	<del> </del>	<del></del>
c-1,2-Dichloroethene	1.0	ND	2.0	ND			╄	<del> </del>	+		-
Chloroform	1.0	150	2.0	ND	1.0	<del>-</del>		·		<del> </del>	+
1,1,1-Trichloroethane	1.0	16		ND	1.0		ļ	<del> </del>		ļ	
Carbon Tetrachloride	1.0	313	2.0	ND ND	1.0		<del>  -</del>	<del> </del>	<del> </del>	<u> </u>	
Benzene	1.0	ND	2.0		1.0	<u> </u>	<del> </del>	<del> </del> -	ļ	<del> </del>	<del> </del> -
1,2-Dichloroethane	1.0	ND	2.0	1.9 ND	1.0			<del>[</del>	ļ	<u> </u>	
Trichloroethene	1.0	73	2.0		1.0		-	<u> </u>		<del>                                     </del>	+
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0		<del> </del>	<del> </del>		<del> </del> -	<del></del>
c-1,3-Dichloropropene	1.0	ND ND	2.0	ND ND	1.0				<del> </del> -	<del> </del>	<del></del>
Toluene	1.0		2.0	ND	1.0		ļ	<u>.                                    </u>	1	ļ	<del> </del>
		75	2.0	3.4	1.0			<del> </del>	<del></del>		<del>↓</del>
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0			<del> </del>	<del></del>		<del></del>
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0				ļ		∔
Tetrachloroethene	I.0	18	2.0	ND_	1.0					ļ	
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0			<u> </u>			
Chlorobenzene	1.0	ND	2.0	ND	1.0		ļ	<u> </u>	<u> </u>		
Ethylbenzene	1.0	ND	2.0	ND	1.0			<b></b>			
p,&m-Xylene	1.0	ND	2.0	ND	1.0				<u> </u>	ļ	<b></b> _
o-Xylene	1.0	ND	2.0	ND	1.0			ļ	ļ		
Styrene	1.0	ND	2.0	ND	1.0				<u> </u>		
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0	_			<u> </u>		
1.3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0			ļ			
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,3-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0						
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0						
Hexachlorobutadicne	1.0	ND	2.0	ND	1.0						
			Ť		- 1				· · · ·	<u> </u>	+-+
MDI = Mathad Datastian Limi		<del></del>						<u> </u>	<del></del>	<u> </u>	

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 1-4-02

QC Batch #: 011228MS2A1

Matrix: Air

		E	PA Met	hod TO	-14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD					
Date Analyzed:	12/28/01		12/2	28/01	12/2	28/01	ļ				
Data File ID:	28DEC005.D		28DE	C003.D	28DE	C004.D					
Analyst Initials:	SC		S	SC .	s	C					
Dilution Factor:	1.0	_	1	.0	1	.0			Limits		i
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	0.5	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.4	94	1.5	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.8	78	2.2	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.4	84	2.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By

Mark Johnson

Air Toxics Operations Manager

### 01/04/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number: A1122803-01/02

Enclosed are results for sample(s) received 12/28/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

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# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

DIAMOND KAK CA 91765 22632 COLDEN SPUNGS DA LED W. WILLIAMSON BFFLUENS GEDFON INC L TBOLAR BAG Comments MAIL REPORT (COMPANY NAME) CITY, STATE AND ZIPCODE SCREEN SCREEN-ADDRESS US NAVY SWDIN CITY OF INDUSTRY CA 91748 × 626-964-5832 TOANDELA OSSA 185016.6ALG AVE #130 LABORATORY CONTACT 04-4364.480 626-964-4032 LABORATORY SERVICE 10 CITY. STATE AND ZIPCODE LABORATORY ADDRESS SOSKIBILA Vi VI 18NB TOO 909-396-1453 909-396-145 7110 TO #1 3 PROJECT MANAGER'S FAX LAB COORDINATOR'S FAX × Parissald * PROJECT FAX INCORPORATED 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 AIR 112280 1110 NONE 1115 NOW CLIEST Still S 909-396-7662 PROJECT MANAGER'S PHONE 909-336-7662 PROJECT LOCATION JPL VB 3643-026-416 गृहरी MKANDONA CA LAB COORDINATOR'S PHONE tuen. ÇITY. STATE AND ZIPCODE PROJECT PHONE NUMBER 14-VBI-BFF-2-08 TY-VEI-B-2-07 Sample Identifier E W. WILLAMSON Elw. Willimson FAHEBNI 4800 DAKGROUE DR PROJECT NAME: 01 # GEOFON's LAB COORDINATOR PROJECT MANAGER PROJECT ADDRESS KRAK PROJECT CONTACT լլգա 2 ∞ 9

COOLER TEMPERATURE UPON RECEIPT

SAMPLE'S CONDITION UPON RECEIPT

TIME TAGE

DATE

1/28/01

Coursela Ora

COURUER AND AIR BILL NUMBER:

SAMPLES COLLECTED BY-

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Client: Geofon Incorporated Attn: Leo W. Williamson

Client's Project: JPL #1
Date Received: 12/28/01
Matrix: Air
Units: ppbv

### **EPA Method TO14**

				PA Metno	0 1 014					<del></del>	
Lab No:		A11228	03-01	A11228	303-02						
Client Sample I.D.:		T4-VE1-	B-2-07	T4-VE1-E	FF-2-08	3					
Date Sampled:		12/28	3/01	12/28	3/01					<del></del>	
Date Analyzed:		12/28		12/28		1		<del> </del> -	-	-	
QC Batch No:		011228N	AS2A1	011228N		<del> </del>				<del>-</del>	
Analyst Initials:	_	SC		SC		<u> </u>				<b>-</b>	
Dilution Factor:		2.0		1.0				<del>                                     </del>		†	
ANALYTE	MDL	Result	RL	Result	RL	1	T	<del></del>	T	+	
Dichlorodifluoromethane (12)	1.0	5.3	2.0	1.8	1.0			<u> </u>	<del></del>	<del></del>	
Chloromethane	2.0	ND	4.0	ND	2.0		1	<del>  -</del>	<del> </del>		
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0		<del>                                     </del>				+
Vinyl Chloride	1.0	ND	2.0	ND	1.0	-			<del> </del>	<del>                                     </del>	
Bromomethane	1.0	ND	2.0	ND	1.0	<del> </del>	<del> </del>	<b>—</b>	1	<del>                                     </del>	+
Chloroethane	1.0	ND	2.0	ND	1.0	<del>                                     </del>	-	<del> </del>		+	+-
Trichlorofluoromethane (11)	1.0	27	2.0	140	1.0		<u> </u>	<del>                                     </del>	+	+	1-
1,1-Dichloroethene	1.0	69	2.0	ND	1.0		<del>                                     </del>	<del> </del>	1	1	1
1,1,2-Cl 1,2,2-F ethane (113)	1.0	79	2.0	211	1.0		<del>                                     </del>		<del> </del>	<del> </del>	
Methylene Chloride	1.0	ND	2.0	1.6	1.0		-	<del>                                     </del>	+	<del>-</del>	+
1,1-Dichloroethone	1.0	ND	2.0	ND	1.0			<del> </del>	+		+
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0	<del>                                     </del>			+	<del> </del>	<del>-  </del>
Chloroform	1.0	164	2.0	ND	1.0	<del>-</del>		<u> </u>	<del>                                     </del>	<u> </u>	
I,1,1-Trichloroethane	1.0	17	2.0	ND	1.0		<del> </del>	<del> </del>	<del> </del>	-	
Carbon Tetrachloride	1.0	353	2.0	ND	1.0		<del>                                     </del>	<del></del>	-	<del> </del>	
Benzene	1.0	ND	2.0	ND	1.0	<u> </u>	<del> </del>		<del> </del>	<del> </del>	<del>                                      </del>
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0			-	<del> </del>	<del> </del>	+
Trichloroethene	1.0	85	2.0	ND	1.0	<u> </u>			╆.	<b>-</b>	┪
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0			├			<del>                                      </del>
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0				<del> </del>	╆	1
Toluene	1.0	99	2.0	2.5	1.0		<u> </u>		<del> </del>	<del> </del>	<del>-</del>
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0				-	ļ	
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0		<del> </del>	<del> </del>	<del>                                     </del>		-
Tetrachloroethene	1.0	17	2.0	ND	1.0			<del> </del>	<del>                                     </del>	<del>                                     </del>	+
1,2-Dibromoethane	1.0	ND	2.0	- ND	1.0	-	<u> </u>	<del>  -</del>	<del> </del>	<del>  -</del>	1.
Chlorobenzene	1.0	ND	2.0	ND				<del> </del> -	<del> </del>	<del> </del>	<del> </del> -
Ethylbenzene	I.0	ND DN	2.0		1.0		ļ	<u> </u> -	<del> </del>	<del>                                     </del>	
p,&m-Xylene	1.0	ND ND	2.0	ND ND	1.0	-			<del> </del>	<del>                                     </del>	+
p,&m-xytene o-Xylene	1.0	ND ND			1.0				<del>                                     </del>	<del> </del>	
o-xylene Styrone	1.0	ND ND	2.0	ND	1.0				<del> </del>	+	<del> </del> -
· · · · · · · · · · · · · · · · · · ·			2.0	ND	1.0				<del> </del>	<del>                                     </del>	-
1,1,2,2-Tetrachloroethane	2.0	ND ND	4.0	ND ND	2.0	·				<del> </del>	<del> </del>
1,3,5-Trimethylbenzene	2.0	ND ND	4.0	ND	2.0				<u>├</u>	<del> </del>	↓
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0			ļ	<del>                                     </del>	ļ	∔
1,3-Dichlorobenzene	1.0	ND ND	2.0	ND ND	1.0				ļ	<del> </del>	₩
1,4-Dichlorobenzene	1.0	ND	2.0	ND ND	1.0				ļ. —	<u> </u>	<b>├</b>
1,2-Dichlorobenzene	1.0	ND	2.0	ND ND	1.0		-		ļ	<u> </u>	<b>├</b>
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND	2.0			<u> </u>	ļ	ļ .	$\vdash$
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0					ļ <u> </u>	
MDI - M-4b- J D-4- 4'- T '-				,					l		

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

The cover letter is an integral part of this analytical report

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 1-4-02

QC Batch #: 011228MS2A1

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD						
Date Analyzed:	12/28/01		12/28/01		12/28/01						
Data File ID:	28DEC005.D		28DEC003.D		28DEC004.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.6	86	0.5	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.6	96	9.4	94	1.5	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.8	78	2.2	70	130	30	Pass
Toluene	0.0	10,0	8.2	82	8.1	81	1.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.4	84	2.3	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Annroved By:

Mark Johnson

Air Toxics Operations Manager

### 01/09/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A1123106-01/02

Enclosed are results for sample(s) received 12/31/01 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/08/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

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# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

22632. GOLDEN SYRINGS DR 270 DIAMOND BAR CA 91765 SCREEN - EFPLUENT LED W. WILLIAMSON LICTURE RAG Comments MAIL REPORT (COMPANY NAME COOLER TEMPERATURE UPON RECEIPT CEOPON CITY, STATE AND ZIPCODE Scheen-Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager SAMPLE'S CONDITION UPON RECEIPT JOAN DE CAOSSA PROJECT NUMBER OF 480 626-964-4032 626-964-583 2 OSTOLE CALE MIG #130 LABORATORY CONTACT USNAVY SWOW CITY OF DISUSTRY LABORATORY SERVICE ID SSSTRUK 122410(1125 ₹_Ž NORM Porteres. 34-365-606 909-396-7662 1909-396-1453 40000  $\mathcal{C}$ PROJECT MANAGER'S FAX LAB COORDINATOR'S FAX Paragana  $\star$ PROJECT FAX ) INCORPORATED 22632 GOLDEN SPRINGS DR., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455 Man solodor 41R 1231010945120NE 41R 123101 0950 ADME COURTER AND AIR BILL NUMBER: CLEST 1969396-7662 <u>r</u> 8548-076-616 aye C LAB COORDINATOR'S PHONE tuen. MKADONA PROJECT MANAGER'S CHY. STATE AND ZIPCODE PROJECT LOCATION PROJECT PHONE NUMBER T4-VB1-8FF-3-02 T4-VB1-A-3-01 Sample Identifier ED W.WILLIAMSON (E) wyll Anson YECO OHYGOUS DE PROJECT MANAGER CAHBENT # GEOPON's LAB COORDINATOR SAMPLES COLLECTED BY PROJECT NAME: PRÖJECT CONTACT PROJECT ADDRESS Item 9 00 4 Ś 9 ~ 6

Client's Project: JPL #1
Date Received: 12/31/01
Matrix: Air
Units: ppbv

### EPA Method TO14

				1 A Michio			===				
Lab No:		A11231	06-01	A11231	06-02					1	<del></del> -
Client Sample I.D.:		T4-VE1-	A-3-01	T4-VE1-E	FF-3-02						
Date Sampled:		12/31	/01	12/31	/01	<del> </del>		<del> </del>		<del> </del>	
Date Analyzed:		12/31		12/31		†		<del> </del>		+	<del></del>
QC Batch No:		011231M		011231M		<del>                                     </del>		+		+	
Analyst Initials:		SC		SC		<del> </del>		+		+	-
Dilution Factor:		4.0		1.0		$\overline{}$	<del></del>	+		+	
ANALYTE	MDL	Result	RL	Result	RL	<del></del>	Τ	<del>†</del>	$\overline{}$	+	<del></del>
Dichlorodifluoromethane (12)	1.0	ND	4.0	5.0	1.0	<del>                                     </del>	$\vdash$	<del>                                     </del>	+	+	+
Chloromethane	2.0	ND	8.0	ND	2.0		+-	<del>                                     </del>	<del> </del>	+	+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	1,0	$\vdash$	<del>                                     </del>	<del>                                     </del>	+	+	+
Vinyi Chloride	1.0	ND	4.0	ND	1.0	<del>                                     </del>	<del> </del>	<del>                                     </del>	+	<del> </del>	+-
Bromomethane	1.0	ND	4.0	ND	1.0	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	+	+	+
Chloroethane	1.0	ND	4.0	ND	1.0	<del> </del>	<del>                                     </del>	<del>                                      </del>	+	<del> </del>	+
Trichlorofluoromethane (11)	1.0	ND	4.0	172	1.0	<del>                                     </del>		+	+	+	+
1,1-Dichloroethene	1.0	33	4.0	ND	1.0	<del>                                     </del>	<del> </del>	<del> </del>	+	+	+
1,1,2-Cl 1,2,2-F ethane (113)	1.0	16	4.0	240	1.0	<del></del>	<del></del>	<del> </del>	+	+	+
Methylene Chloride	1.0	ND	4.0	1.6	1.0	<del></del> ,	<del></del>	<del>                                     </del>	+	+	+
1,1-Dichloroethane	1.0	ND	4.0	ND	1.0	<del>                                     </del>	<del> </del>	<del>                                     </del>	+	+	+
c-1,2-Dichloroethene	1.0	ND	4.0	ND	1.0	<del></del> ,	<del></del>	<del> </del>	+	<del> </del>	+
Chloroform	1.0	294	4.0	ND	1.0	<del> </del>	<del></del>	<del> </del>	+	+	+
1,1,1-Trichloroethane	1.0	ND ND	4.0	ND	1.0	<del> </del>	<del></del>	<del>                                     </del>	+	+	1
Carbon Tetrachloride	1.0	676	4.0	ND ND	1.0	<del></del> -	<del> </del>	<del>                                     </del>	+	+	+
Benzene	1.0	ND	4.0	1.0	1.0	<del></del> -	<del>                                     </del>	<del> </del>	<del> </del>	+	+
1,2-Dichloroethane	1.0	ND	4.0	ND	1.0	<b>——</b>	<del></del>	<del> </del>	+	+	+
Trichloroethene	1.0	7.0	4.0	ND	1.0	1——	$\vdash$	$\vdash$	+	<del> </del>	+ 1
1,2-Dichloropropane	1.0	ND	4.0	ND	1.0	<b>-</b>		<del> </del>	+	<del> </del>	+
c-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0		<del>                                     </del>	<del>                                     </del>	+	<del>                                     </del>	+
Toluene	1.0	63	4.0	2.2	1.0	<b></b>	<del></del>	<del>                                     </del>	1	<del> </del>	+
t-1,3-Dichloropropene	1.0	ND	4.0	ND ND	1.0	<del>                                     </del>	<del></del>	$\overline{}$	+	$\vdash$	+
1,1,2-Trichloroethane	1.0	ND ND	4.0	ND	1.0		<del> </del>	<del></del>	+	<del>                                     </del>	+
Tetrachloroethene	1.0	18	4.0	ND	1.0	<del>                                     </del>	<del> </del>	<del>                                     </del>	<del> </del>	†	<del>  </del>
1,2-Dibromoethane	1.0	ND	4.0	ND	1.0	<del>                                     </del>	<del></del>	-	<del> </del>	$\vdash$	<del>                                     </del>
Chlorobenzene	1.0	ND	4.0	ND	1.0		<del></del>	<del>                                     </del>	†	<del>                                     </del>	+
Ethylbenzene	1.0	ND	4.0	ND	1.0		<del></del> -	<del></del>	<del></del>	<del>                                     </del>	+
p,&m-Xylene	1.0	18	4.0	ND	1.0	<del>                                     </del>	ļ ₁	<del>                                     </del>	-	†	<del>                                     </del>
o-Xylene	1.0	7.1	4.0	ND	1.0	<del></del>	<del></del>	<del></del>	<del>                                     </del>	t	<del>  </del>
Styrene	1.0	ND	4.0	ND	1.0	<del></del>	<del></del> -	<del>                                     </del>	<del>                                     </del>	†	<del>- </del>  ,
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	2.0	<del>'                                    </del>	<del></del> ,	<del></del>	$\vdash$	<del>                                       </del>	<del>  </del> ,
1,3,5-Trimothylbonzene	2.0	ND	8.0	ND	2.0	<del>'                                    </del>	Ι	<del> </del>	<del>                                     </del>	<del> </del>	+
1,2,4-Trimethylbenzene	2.0	8.5	8.0	ND	2.0		$\vdash \vdash \vdash$	<del> </del>	<del>                                     </del>	<del>                                     </del>	╅╴
1,3-Dichlorobenzene	1.0	ND ND	4.0	ND ND	1.0		<u> </u>	<del></del>		<del> </del>	+
1,4-Dichlorobenzene	1.0	ND	4.0	ND	1.0		<del>-                                    </del>	<del></del>	<del> </del>	<del>                                     </del>	<del>                                     </del>
1,2-Dichlorobenzene	1.0	ND	4.0	ND	1.0	<del></del>	—	<del></del>	<del> </del>	<del>                                     </del>	╁──╢
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	2.0			<del> </del>	<del> </del>	<del> </del>	<del>  </del> ,
Hexachlorobutadiene	1.0	ND ND	4.0	ND	1.0		<u> </u>	<del></del>	+	<del> </del>	+
	1.0	- W	4.0	עדו	1.0		<b></b>	<u> </u>	+	<del> </del>	<del> </del>
1607 16 2 10 2			<u></u>		<u> </u>	1	<u></u>	<u></u>	L		J_ h

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date_1-8-02

QC Batch #: 011231MS2A1

Matrix: Air

		E	PA Met	hod TO	-14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD					-
Date Analyzed:	12/31/01		12/3	1/01	12/3	31/01					
Data File ID:	31DEC006.D		31DE	C004.D	31DE	C005.D					
Analyst Initials:	sc		s	C	s	C					
Dilution Factor:	1.0		1	.0	1	.0		_	Limits		
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.6	86	8.4	84	2.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.4	94	9.3	93	0.9	70	130	30	Pass
Trichloroethene	0.0	10.0	7.8	78	7.7	77	1.0	70	130	30	Pass
Toluene	0.0	10.0	8.1	81	8.1	81	0.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.8	88	8.5	85	3.2	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:

. Mark Johnson

Air Toxics Operations Manager

## **JANUARY 2002**

### 01/10/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A2010204-01/02

Enclosed are results for sample(s) received 1/02/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/09/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures



# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

ZEGSZ GOLDEN SFRINGS DH., SUITE Z70 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455	•	
LAB COORDINATO		
ryson	wc	
PROJECT LOCATION  PROJECT LOCATION FAX  OH 4304. 480 C.16. 49.40.12 C.196.4-58.32	DV1 (6.4.)	
38 PROJECT FAX NIAM INSORATORY ADDRESS NIAM FILTO	Office of 23	
CITY STATE AND ZIPCODE  CLIEST  (1) C NOAVY SIND IV	775 8121 C	
909396-7662 9109-746-1433 35		
Sample Identifier Antitic Cotts of Cott	ıts	
-02 IMCARNIE 17 3 MACH Y	HE.	
1*3 WOM X	UENT	
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COUNTER AND AIR BILL NUMBER:		
RELINDUMED BY RECEIVED BY DATE TIME SAMPLE'S CONDITION UPON RECEIPT		
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager		

Client's Project: JPL#1
Date Received: 01/02/02
Matrix: Air
Units: ppbv

### **EPA Method TO14**

Lab No:		A20102	04-01	A20102	04-02					ļ	
Client Sample I.D.:		T4-VE1-	A-3-03	T4-VE1-E	FF-3-04						
Date Sampled:		01/02	/02	01/02	/02						
Date Analyzed:		01/04	/02	01/04	/02	_		Î			
QC Batch No:		020104N	IS2A1	020104N	IS2A1			i -			
Analyst Initials:		SC		sc	7					1	
Dilution Factor:		4.0	)	1.0	)						
ANALYTE	MDL	Result	RL	Result	RL				T	†	T
Dichlorodifluoromethane (12)	1.0	ND	4.0	4.3	1.0				1 -		<del>                                     </del>
Chloromethane	2.0	ND	8.0	ND	2.0						1
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	1.0						$\top$
Vinyl Chloride	1.0	ND	4.0	ND	1.0						1
Bromomethane	1.0	ND	4.0	ND	1.0				1		1
Chloroethane	1.0	ND	4.0	ND	1.0			1			1
Trichlorofluoromethane (11)	1.0	ND	4.0	149	1.0			Γ		· · ·	T
1,1-Dichloroethene	1.0	36	4.0	ND	1.0				1		
1,1,2-Cl 1,2,2-F ethane (113)	1.0	14	4.0	212	1.0				Ī		
Methylene Chloride	1.0	ND	4.0	1.5	1.0			-		-	T
1,1-Dichloroethane	1.0	ND	4.0	ND	1.0						
c-1,2-Dichloroethene	1.0	ND	4.0	ND	0.1						
Chloroform	1.0	317	4.0	ND	1.0						$\vdash$
1,1,1-Trichloroethane	1.0	ND	4.0	ND	1.0						<del>                                     </del>
Carbon Tetrachloride	1.0	592	4.0	ND	1.0				Ì		<del>                                     </del>
Benzene	1.0	ND	4.0	2.1	1.0				-	<u> </u>	+ -
1,2-Dichloroethane	1.0	ND	4.0	ND	1.0				-		
Trichloroethene	1.0	6.5	4.0	ND	1.0						†
1,2-Dichloropropane	1.0	ND	4.0	ND	1.0						<del>                                     </del>
c-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0	-		-			$\vdash$
Tolucne	1.0	41	4.0	2.7	0.1	•					
t-1,3-Dichloropropene	1.0	ND	4.0	ND	1.0			•		-	1
1,1,2-Trichloroethane	1.0	ND	4.0	ND	1.0						
Tetrachioroethene	1.0	8.5	4.0	ND	1.0		-			-	<del></del>
1,2-Dibromoethane	1.0	ND	4.0	ND	1.0		-				1
Chlorobenzene	1.0	ND	4.0	ND	1.0		_				<del> </del>
Ethylbenzene	1.0	ND	4.0	ND	1.0				<del> </del>		<del>                                     </del>
p,&m-Xylene	1.0	ND	4.0	ND	1.0		-			-	<del>  </del>
o-Xylene	1.0	ND	4.0	ND	1.0						<del>  </del>
Styrene	1.0	ND	4.0	ND	1.0		-			-	$\vdash$
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	2.0						
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	2.0	-			<del>                                     </del>		$\vdash$
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	2.0			••			<del>                                     </del>
1,3-Dichlorobenzene	1.0	ND	4.0	ND	1.0						<del>                                     </del>
1,4-Dichlerobenzene	1.0	ND	4.0	ND	1.0						┼──┤
1,2-Dichlorobenzene	1.0	ND	4.0	ND	1.0						$\vdash$
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND	2.0				_		┝─┤
Hexachlorobutadiene	1.0	ND ND		ND				· · · · · ·			$\vdash \vdash \vdash$
- Advantage of the state of the	1.0	עאו	4.0	HD	1.0			_			├
MDI - Mathed Date to - I to t			. !								

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 1-9-02

QC Batch #: 020104MS2A1

Matrix: Air

	<del></del> -	E	PA Met	hod TO	-14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD				<u> </u>	<del></del>
Date Analyzed:	01/04/02		01/0	14/02	01/0	14/02					
Data File ID:	04JAN005.D		04JAN	(003.D	04JAI	N004.D					
Analyst Initials:	SC		S	C	S	C					
Dilution Factor:	1.0		1	.0	1	.0			Limits		<u> </u>
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.1	81	8.2	82	1.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.1	91	9.1	91	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.6	76	7.3	73	4.0	70	130	30	Pass
Toluene	0.0	10.0	7.9	79	7.7	77	3.5	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.2	82	8.1	81	0.7	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:

1.1.1

Mark Johnson

Air Toxics Operations Manager

### 01/15/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A2010706-01/08

Enclosed are results for sample(s) received 1/07/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/15/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

# CHAIN-OF-CUSTODY RECORD

CHAIN-OF-C	CHAIN-OF-CUSTODY RECORD	LABORATORY COPY
CEGEOWS LAB COORDINATOR LAB COORDINATOR S PHONE LAB COORDINATOR S FAX  LAB COORDINATOR   LAB COORDINATOR S PHONE   LAB COORDINATOR S FAX  LAS COORDINATOR   CAP - 29 C - 7 C C C P C C C C C C C C C C C C C C C	LABORATORY SERVICE ID  LABORATORY CONTACT  TO A. 1 D. C. A. O.C. A.	MALE REPORT (COMPANY NAME)
PROJECT LOCATION  TPL VE1  O4-430 4. 480		RECIPIENT NAME
PRODECT FAX	5 WY # 130	ADDRESS COLLINGIA ORING DR #270
PASADEN CA CLIEST OF CA US NA	374	DIAMONY KAL CA 9/76
PROJECT MANAGER'S PHONE 909-396-7662		
Sample Identifier	Trais C	Comments
AR 1-70 1130 11615 14 3 11		*LTEDUTE BAG
1 1 1 52/	SC-88	7
74-VE1-IMM-4-03	200	SCREEN - TASTUENT
74-VEI-PIEFF-4-04	X SCRUB	SCROBUS - PRIMALY I BEPRUENT
1150 PAEP-4-05		SCREEN-RIMMEY 2 BRALLIENT
T4-VEI-SIEPP-4-06	Schre	SCHEBON -SECONDARY 1 BFPLUENT
T4-VE1-52678-4-07	Kless	Schoon-SECONDARY 2 EPFLUENT
74-YE1-6PB-4-08	2564	SLKIM - EFFLUENT
COPPLER AND AIR BILL NUMBER:		COOLER TEMPERATURE UPON RECEIPT
MOLLY CALLO TO MILL CALLO TO MILL 1/1/102	1350 INTRO	SAMPLE'S CONDITION UPON RECEIPT
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager	ort); Goldenrod - Project File; Yellow - Projec	t Data Manager

Client's Project: JPL #1
Date Received: 01/07/02
Matrix: Air
Units: ppbv

### **EPA Method TO14**

Lab No:	·										
Lab No:		A20107	06-01	A20107	06-02	A20107	06-03	A20107		A20107	
Client Sample I.D.:		T4-VE1-	B-4-01	T4-VE1-	C-4-02	T4-VE1-II	NN-4-03	T4-VE1-P1		T4-VE1-P2	
Date Sampled:		01/07/		01/07	/O2	01/07	/02	01/07		05	_
Date Analyzed:		01/08/	_	01/08		01/08		01/07		01/07	-
QC Batch No:		020108M		020108M		020108M		01/08		01/08	
Analyst Initials:		SC		SC		SC		020108M		020108M	
Dilution Factor:		2.0		1.0		2.0		SC 2.0		SC 4.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	4.9	2.0	1.5	1.0	ND	2,0	3.3	2.0	ND	
Chloromethane	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	4.0 8.0
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Vinyl Chloride	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Bromomethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chloroethane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Trichlorofluoromethane (11)	1.0	34	2.0	54	1.0	42	2.0	72	2.0	53	4.0
I,1-Dichloroothene	1.0	94	2,0	22	1.0	50	2.0	96	2.0	134	4.0
1,1,2-Cl 1,2,2-F ethane (113)	1.0	97	2.0	23	1.0	56	2.0	195	2.0	181	4.0
Methylene Chloride	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1-Dichloroethane	1.0	ND	2.0	1.5	1.0	ND	2.0	4.8	2.0	6.7	4.0
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chloroform	1.0	199	2.0	112	1.0	150	2,0	172	2.0	202	4.0
1,1,1-Trichloroethane	1.0	21	2.0	9.5	1.0	15	2,0	18	2.0	21	4.0
Carbon Tetrachloride	1.0	447	2.0	164	1.0	293	2.0	363	2.0	407	4.0
Benzene	1.0	ND	2.0	1.2	1.0	ND	2.0	17	2.0	ND	4.0
1,2-Dichloroethane	1.0	ND	2.0	1.8	1.0	ND	2.0	ND	2.0	ND	4.0
Trichloroethene	1.0	126	2.0	149	1.0	147	2.0	2.5	2.0	4.3	4.0
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
c-1,3-Dichloropropone	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Toluene	1.0	222	2.0	142	1.0	5.6	2.0	69	2.0	67	4.0
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2,0	ND	4.0
1,1,2-Trichloroethane	1.0	ND_	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Tetrachloroethene	1.0	22	2.0	13	1.0	19	2.0	ND	2,0	ND	4.0
1,2-Dibromocthane	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Chlorobenzenc	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
Ethylbenzene	1.0	ND	2.0	1.1	1.0	ND	2.0	ND	2.0	ND	4.0
p,&m-Xylene	1.0	2.3	2.0	3.1	1.0	ND	2.0	5.7	2.0	ND	4.0
o-Xylenc	1.0	ND	2.0	2.4	1.0	ND	2.0	2.8	2.0	ND	4.0
Styrene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,2,4-Trimethylbenzenc	2.0	ND	4.0	ND	2.0	ND	4.0	ND	4.0	ND	8.0
1,3-Dichlorobenzene	_1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,4-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,2-Dichlorobenzene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
1,2,4-Trichlorobenzene	2.0	ND	4.0	ND ND	2.0	ND	4.0	ND	4.0	ND	8.0
Hexachlorobutadiene	1.0	ND	2.0	ND	1.0	ND	2.0	ND	2.0	ND	4.0
											-
MDL = Method Detection Limit											

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 1-15-02

Client's Project: JPL #1
Date Received: 01/07/02
Matrix: Air
Units: ppbv

### **EPA Method TO14**

Lab No:		A20107	06-06	A20107		A20107	06-08			
Client Sample I.D.:		T4-VE1-S1		T4-VE1-S		T4-VE1-E	FF_4_09	 		
<u> </u>		06		07		1 7- 7 E1-E	* T4-00	 	<u> </u>	
Date Sampled:		01/07/		01/07	/02	01/07.	/02			
Date Analyzed:		01/08/	/02	01/08		01/08	/02			
QC Batch No:		020108M	IS2A1	020108N	1S2A1	020108N	IS2A1			
Analyst Initials:		SC		sc		SC			<u> </u>	
Dilution Factor:		2.0		2.0	)	2.0				
ANALYTE	MDL	Result	RL	Result	RL	Result	RL			
Dichlorodifluoromethane (12)	0.1	5.0	2.0	4.5	2.0	6.2	2.0			
Chloromethane	2.0	ND	4.0	ND	4.0	ND	4.0	L		
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	2.0	ND	2.0			
Vinyl Chloride	1.0	ND	2.0	ND	2.0	ND	2.0	 i –		
Bromomethane	1.0	ND	2.0	ND	2.0	ND	2.0			
Chloroethane	1.0	ND	2.0	ND	2.0	ND	2.0		L	
Trichlorofluoromethane (11)	1.0	186	2.0	176	2.0	240	2.0			
I,1-Dichloroethene	1.0	ND	2.0	ND	2.0	ND	2.0			
1,1,2-Cl 1,2,2-F ethane (113)	1.0	367	2.0	314	2.0	426	2.0			
Methylene Chloride	1.0	ND	2.0	ND	2.0	ND	2.0			
1,1-Dichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0			
c-1,2-Dichloroethene	1.0	ND	2.0	ND	2.0	ND	2.0			
Chloroform	1.0	ND	2.0	ND	2.0	ND	2.0			
1,1,1-Trichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0			
Carbon Tetrachloride	1.0	ND	2.0	ND	2.0	ND	2.0			T
Benzene	1.0	4.9	2.0	ND	2.0	2.3	2.0			T
1,2-Dichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0		1	1 -
Trichloroethene	1.0	ND.	2.0	ND	2.0	3.0	2.0			
1,2-Dichloropropane	1.0	ND	2.0	ND	2.0	ND	2.0			T
c-1,3-Dichloropropene	1.0	ND	2.0	ND	2.0	ND	2.0			<u> </u>
Toluene	1.0	235	2.0	11	2.0	3.8	2.0			
t-1,3-Dichloropropene	1.0	ND	2.0	ND	2.0	ND	2.0			
1,1,2-Trichloroethane	1.0	ND	2.0	ND	2.0	ND	2.0			
Tetrachloroethene	1.0	5.0	2.0	ND	2.0	ND	2.0			
1,2-Dibromoethane	1.0	ND	2.0	ND	2.0	ND	2.0			1
Chlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0		Ī .	1 -
Ethylbenzene	1.0	4.1	2.0	ND	2.0	ND	2.0	 	<u> </u>	
p,&m-Xylene	1.0	12	2.0	3.5	2.0	ND	2.0	 		
-Xylene	1.0	12	2.0	ND	2.0	ND	2.0			1
Styrene	1.0	ND	2.0	ND	2.0	ND	2.0			
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	4.0	ND	4.0			1
1,3,5-Trimethylbenzene	2.0	5.1	4.0	ND	4.0	ND	4.0			1
1,2,4-Trimethylbenzene	2.0	11	4.0	ND	4.0	ND	4.0	_		
1,3-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0			
,4-Dichlorobenzenc	1.0	ND	2.0	ND	2.0	ND	2.0			
,2-Dichlorobenzene	1.0	ND	2.0	ND	2.0	ND	2.0			
,2,4-Trichlorobenzene	2.0	ND	4.0	ND	4.0	ND	4.0	 		
Hexachlorobutadiene	1.0	ND	2.0	ND	2.0	ND	2.0	 _		
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MDL = Method Detection Limit	t t				<del></del>			 	<u> </u>	<u> </u>

MDL = Method Detection Lim
ND= Not Detected (below RL)
RL = MDL X Dilution Factor

The cover letter is an integral part of this analytical report

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date /-15-02

QC Batch #: 020108MS2A1

Matrix: Air

	01/0 08JAN S	CS 08/02 N004.D C	01/0 08JAN	CSD 08/02 N005.D C					. <u> </u>
	08JAN S	N004.D C	08JAN S	(005.D C					1
	s	C	S	С		<del></del> -			1
						<del></del>		<del></del>	1
	1	.0	1.	0			~		1
				···		1	Limits		i
Spike Amount	Result ppby	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
10.0	8.6	86	8.7	87	1.2	70	130	30	Pass
10.0	9.5	95	9.5	95	0.4	70	130	30	Pass
10.0	8.0	80	8.2	82	2.4	70	130	30	Pass
10.0	8.3	83	8.3	83	1.0	70	130	30	Pass
10.0	8.7	87	8.6	86	0.9	70	130	30	Pass
	10.0 10.0 10.0 10.0	10.0 8.6 10.0 9.5 10.0 8.0 10.0 8.3	10.0     8.6     86       10.0     9.5     95       10.0     8.0     80       10.0     8.3     83	10.0     8.6     86     8.7       10.0     9.5     95     9.5       10.0     8.0     80     8.2       10.0     8.3     83     8.3	10.0     8.6     86     8.7     87       10.0     9.5     95     9.5     95       10.0     8.0     80     8.2     82       10.0     8.3     83     8.3     83	amount         ppbv         ppbv           10.0         8.6         86         8.7         87         1.2           10.0         9.5         95         9.5         95         0.4           10.0         8.0         80         8.2         82         2.4           10.0         8.3         83         8.3         83         1.0	amount         ppbv         ppbv         %Rec           10.0         8.6         86         8.7         87         1.2         70           10.0         9.5         95         9.5         95         0.4         70           10.0         8.0         80         8.2         82         2.4         70           10.0         8.3         83         8.3         83         1.0         70	3mount         ppbv         %Rec         %Rec         %Rec           10.0         8.6         86         8.7         87         1.2         70         130           10.0         9.5         95         9.5         95         0.4         70         130           10.0         8.0         80         8.2         82         2.4         70         130           10.0         8.3         83         8.3         83         1.0         70         130	3mount         ppbv         ppbv         %Rec         %Rec         RPD           10.0         8.6         86         8.7         87         1.2         70         130         30           10.0         9.5         95         9.5         95         0.4         70         130         30           10.0         8.0         80         8.2         82         2.4         70         130         30           10.0         8.3         83         8.3         83         1.0         70         130         30

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

The cover letter is an integral part of this analytical report

iger

Date: 1-15-07

### 01/23/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number: A2011401-01/02

Enclosed are results for sample(s) received 1/14/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/23/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

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# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

### 1900 For the Full of the F	DE L	DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455  R  LAB COORDINATOR'S PHONE  LAB COORDINATOR'S PHONE  LAB COORDINATOR'S PHONE  LAB COORDINATOR'S PHONE  APPROPERT LOCATION TO THE TO THE COORDINATOR'S PROPERT LOCATION TO THE TO THE COORDINATOR'S PHONE  APPROPERT LOCATION TO THE TO THE COORDINATOR'S PROPERT LOCATION TO THE TO THE COORDINATOR'S PROPERT LOCATION TH	½ ( <b>*</b>	LABORATORY SERVICE ID LABORATORY PHONE LABORATORY PHONE	36-1455 LABORATORY SERVICE ID LABORATORY CONTACT 36-1455 LABORATORY PHONE LABORATORY PAND 126-464433 626-764-5832	MALEFORT (COMPANY NAME)  GEDFON INC  RECIPIENT NAME  RECIPIENT NAME  M. WILLIAM SO A	
Atifier  Ati		PROJECT PHONE NUMBER 7/4-920	32	18561 B. CALL	E AVE # 130	WESS GOLDEN SPLINGS DK" 270	
11   11   11   12   12   13   12   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   14   15   15	1800 CAKGRONE DR	CITY, STATE AND ZIPCODE  AND AD LOVA OF THE PROPERTY OF THE PR		CITY STATE AND ZIPCODE	WETH CA 91748	DIAMOND BAR CA 91765	
The state of the s		PHONE 396-7662		Sost			
T4-VEI-GFF-5-02  A1R 14402 1155 11200 1130 1144   X 3 11241 X   X 2444 X   S 2444 X   X 3 11241 X	ntifie	Sec times	TOO TO TO TO THE OF THE PARTY OF THE			Comments	
TY4-VEI-EFF-5-02 A1R 14421200 NBW 17 3 NRPH X  NAMES COLLECTED BY  REALINGSHEED BY  REALING	T4-VE1-1NN-5-		/* 3	X		CLERY - INFLUENT	
MALES COLLECTED ST. COURER AND ARR BILL MARGER.  SELENDE BY THE SAME  SELENDE BY THE SAME  SELENDE BY THE SAME  SAME  Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow-	Tu-VEI-EFF-5-	1	<b>*</b>	<b>/</b>	758	lesv- EFFLUENT	
MAPLES COLLECTED BY COLUMER AND ANS BILL NUMBER.  RELINDÉRED BY DATE  RELINDÉRED BY AND ANS BILL NUMBER.  RELINDÉRED BY DATE  RELINDÉRED BY AND ANS BILL NUMBER.  RELINDÉRED BY DATE  RELINDÉRED BY AND ANS BILL NUMBER.  AND ANS BILL NUMBER.  AND ANS BILL NUMBER.  SAMP  Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow-							
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MPLES COLLECTED BY COURLER AND ARR BILL NUMBER.  RELINDARIED BY DATE TIME SAMP  (MALA LA OLA COLLECTED BY MILLO 152S SAMP  Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow -							
MALES COLLECTED BY COURIER AND AIR BILL NUMBER.  RELINGSKIED BY DATE TIME SAMP  (MALES COLLECTED BY DATE TIME SAMP  Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow -	,						
COURIER AND AIR BILL NUMBER.  SAMP  (COURIER AND AIR BILL NUMBER.  (COURIER AND AIR BILL NUMB	8						
COURTER AND AIR BILL NUABER.  COURTER AND AIR BILL NUABER.  COURTER AND AIR BILL NUABER.  A RECEIVED BY  A RECE							
COURSER AND ARR BILL NUMBER.  RECEDED BY REC	0						
RELINGENCE BY ANAPLES CONDITION UPON RECEIPT  Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager	AMPLES COLLECTED BY	COURLER AND AIR B	ILL NUMBER.		1000	SR TEMPERATURE UPON RECEIPT	
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager	RELING/SKED BY	For Mana	ONED BY	132S	SAMPLE'S C	DADYTION UPON RECEIPT	
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager		2					
	Distr	ribution: White - Laboratory	To be returned with Analytical R	eport); Goldenrod -	Project File; Yellow - Pro	ject Data Manager	

Client's Project: JPL#1
Date Received: 01/14/02
Matrix: Air
Units: ppbv

			E	PA Metho	d TO14	J					
Lab No:		A20114	101-01	A20114	401-02	<del></del>				T	
Client Sample I.D.:		T4-VE1-I	NN-5-01	T4-VE1-H	EFF-5-02	,					
Date Sampled:		01/14	1/02	01/14	4/02			+-		1	
Date Analyzed:		01/16		01/10		1		<del>                                     </del>		<del> </del>	
QC Batch No:		020116N	_	0201167		·			-	<del> </del>	
Analyst Initials:	-	SC		SC		-		<del> </del>	-	<del>                                     </del>	
Dilution Factor:		2.0	j T	1.0		<del>                                     </del>		<del> </del>			
ANALYTE	MDL	Result	RL	Result	RL	<del>                                     </del>	Т	<del>†                                      </del>	<del></del>	<del>                                     </del>	
Dichlorodifluoromethane (12)	1.0	3.6	2.0	5.7	1.0	+	†	<del> </del>	1		<del> </del>
Chloromethane	2.0	ND	4.0	ND	2.0	<u> </u>		<del> </del> -	+	<del> </del>	+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	2.0	ND	1.0	<del>                                     </del>		1	+	$\overline{}$	+
Vinyl Chloride	1.0	ND	2.0	ND	1.0	†		<u> </u>	†	<del> </del>	<del>                                     </del>
Bromomethane	1.0	ND	2.0	ND	1.0		†	<del> </del>	<del>                                     </del>		+
Chloroethane	1.0	ND	2.0	ND	1.0			<del>                                     </del>	1	<del>                                     </del>	+-
Trichlorofluoromethane (11)	1.0	42	2.0	93	1.0		1	<del> </del>	1	<del>                                     </del>	1
1,1-Dichloroethene	1.0	64	2.0	1.2	1.0	<del></del>	1		†	<del> </del> -	<del> </del>
1,1,2-Cl 1,2,2-F ethane (113)	1.0	84	2.0	149	1.0			<del></del>	$\vdash$		<del></del>
Methylene Chloride	1.0	ND	2.0	ND	1.0			<del> </del>	<del>                                     </del>		<del>                                     </del>
1,1-Dichloroethane	1.0	2.0	2.0	ND	1.0				1		†
c-1,2-Dichloroethene	1.0	ND	2.0	ND	1.0	·			1	<del> </del>	†
Chloroform	1.0	172	2.0	ND	1.0		<u> </u>		1	<u> </u>	<del> </del> -
1,1,1-Trichloroethane	1.0	16	2.0	ND	1.0	!	$\overline{}$	<u> </u>	1	<del>                                     </del>	†··-
Carbon Tetrachloride	1.0	463	2.0	ND	1.0		1			· · · · · ·	1
Веплеле	1.0	ND	2.0	1.9	1,0			1			†
1,2-Dichloroethane	1.0	ND	2.0	ND	1.0						<del>                                     </del>
Trichloroethene	1.0	166	2.0	ND	1.0			Ì			<u> </u>
1,2-Dichloropropane	1.0	ND	2.0	ND	1.0				1	· -	T
c-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0						
Toluene	1.0	6.7	2.0	1.8	1.0						
t-1,3-Dichloropropene	1.0	ND	2.0	ND	1.0				Ī		
1,1,2-Trichloroethane	1.0	ND	2.0	ND	1.0						
Tetrachloroethene	1.0	29	2.0	ND	1.0				T	· · · · · ·	
1,2-Dibromoethane	1.0	ND	2.0	ND	1.0			-	Γ		
Chlorobenzene	1.0	ND	2.0	ND	1.0						<u> </u>
Ethylbenzene	1.0	4.8	2.0	ND	1.0						
p,&m-Xylene	1.0	13	2.0	ND	1.0					_	<u> </u>
o-Xylene	1.0	7.1	2.0	ND	1.0				1		
Styrene	1.0	ND	2.0	ND	1.0					_	
1,1,2,2-Tetrachloroethane	2.0	ND	4.0	ND	2.0		Ĺ				
1,3,5-Trimethylbenzene	2.0	ND	4.0	ND	2.0						
1,2,4-Trimethylbenzene	2.0	ND	4.0	ND	2.0					-	_

MDL = Method Detection Limit

ND= Not Detected (below RL)

RL = MDL X Dilution Factor

Reviewed/Approved By:

3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

Hexachlorobutadicne

Mark Johnson

1.0

1.0

1.0

2.0

1.0

ND

ND

ND

ND

ND

2.0

2.0

2.0

4.0

2.0

ND

ND

ND

ND

ND

1.0

1.0

1.0

2.0

1.0

Air Toxics Operations Manager

Date 1-23-62

QC Batch #: 020116MS2A1

Matrix: Air

		E	PA Met	hod TO	-14/TO-	15	<u> </u>				
Lab No:	Method Blank		L	CS	LC	CSD			<u> </u>		
Date Analyzed:	01/16/02		01/1	6/02	01/1	6/02					
Data File ID:	16JAN005.D		16JAI	1003.D	16JAN	N004.D					•
Analyst Initials:	SC		S	C	s	C					
Dilution Factor:	1.0		1	.0	1	.0			Limits		1
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.7	87	0.6	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.8	98	9.4	94	3.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.8	78	7.8	78	0.4	70	130	30	Pass
Toluene	0.0	10.0	8.2	82	8.1	81	1.2	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.4	84	8.3	83	1.2	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

01/31/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A2012104-01/04

Enclosed are results for sample(s) received 1/21/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 1/31/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

Enclosures

# CHAIN-OF-CUSTODY RECORD

E GEOFON CHAIN	CHAIN-OF-CUSTODY RECORD	ORD	LABORATORY COPY
N C O R 2632 GOLDEN NAMOND BAR,			
<u>Z</u>	LABORATORY SERVICE ID	LABORATORY CONTACT  TOWN 1 DET A COSC A	MAIL REPORT (COMPANY NAME)
PROJECT LOCATION SPL VB1	480 626-764-4032 62	16.764.5832 L	126-764-403 L 26-764-583 L 120 W. WILLIAM CAN
80 W. WILLIAMSON 714-920-8438	18501 B. CALG MIG #130	ME#130 2	A270 CAL DIAN SMINISM
CLIENT V		1 84516 47 XX	CITY OF TOUNSTRY OF 91749 NOWARD KAP CA 9122
PROJECT MANAGER'S PHONE 909-396-7662			
Sample Identifier Apart Code	Tiens V. J. Sons		Comments
* HOUNDED IX	1	7*1	KL TEDLAK BAG
ו/מע	<	38	School - C
14-VEI-INN-6-03	7	35%	34ken - INFLUENT
14-VB1-6FF-6-04 1/55	×	25/8	Schoon - EFFLUENT
2	<b>-</b>		
3			
7			
80			
6			
0			
COURIER AND AIR B	┨╏	COOLER TE	COOLER TEMPERATURE UPON RECEIPT
THE SECTION OF THE SE	DATE TIME 7.27-02 15:30	SAMPLE'S CONDIT	SAMPLE'S CONDITION UPON RECEIPT
Distribution: White - Laboratory (To be returned with Analy	with Analytical Report), Goldenrod - Project File, Yellow - Project Data Manager	ct File; Yellow - Project	i Data Manager

Client's Project: Date Received:

JPL #1 01/21/02

Matrix: Units:

Air ppbv

### **EPA Method TO14**

Lab No:		A20121	04 01	A20121	04.02	A 20121	04.02	420121	D4 04	<u> </u>	
Client Sample I.D.:				1		A201210		A20121			_
<u> </u>		T4-VE1-	R-6-01	T4-VE1-	C-6-02	T4-VE1-IN	(N-6-03	T4-VE1-E	FF-6-04		
Date Sampled:		01/21		01/21		01/21	02	01/21/	/02		
Date Analyzed:		01/22		01/22	/02	01/22	02	01/22/	02		
QC Batch No:		020122M	IS2A1	020122N	1S2A1	020122M	IS2A1	020122M	IS2A1		
Analyst Initials:		SC		SC	<u> </u>	SC		SC			
Dilution Factor:		4.0		2.0	)	4.0		1.0			
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL		
Dichlorodifluoromethane (12)	1.0	6.1	4.0	ND	2.0	ND	4.0	7.4	1.0		
Chloromethane	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Vinyl Chloride	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Bromomethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Trichlorofluoromethane (11)	1.0	30	4.0	68	2.0	45	4.0	123	1.0		
1,1-Dichloroethene	1.0	94	4.0	35	2.0	62	4.0	9.0	1.0		
1,1,2-Cl 1,2,2-F cthane (113)	1.0	89	4.0	82	2.0	80	4.0	250	1.0		
Methylene Chloride	1.0	ND	4.0	ND	2.0	ND	4.0	1.1	1.0		
1,1-Dichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
c-1,2-Dichloroethene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chloroform	1.0	197	4.0	130	2.0	168	4.0	2.0	1.0		L
1,1,1-Trichloroethane	1.0	21	4.0	9.2	2.0	14	4.0	ND	1.0		
Carbon Tetrachloride	1.0	676	4.0	307	2.0	492	4.0	ND	1.0		
Benzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2-Dichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		T -
Trichloraethene	1.0	91	4.0	191	2.0	161	4.0	ND	1.0		
1,2-Dichloropropane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		1
c-1,3-Dichloropropene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Toluene	1.0	122	4.0	92	2.0	7.9	4.0	1.0	1.0		
t-1,3-Dichloropropenc	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,1,2-Trichloroethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Tetrachloroethene	1.0	30	4.0	21	2.0	35	4.0	ND	1.0		
1,2-Dibromoethane	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
Chlorobenzene	1.0	ND	4.0	ND	2.0	NĐ	4.0	ND	1.0		
Ethylbenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
p,&m-Xylene	1.0	6.5	4.0	5.2	2.0	4.9	4.0	ND	1.0		
o-Xylene	1.0	ND	4.0	2.3	2.0	ND	4.0	ND	1.0		[
Styrene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0	••	
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		
1,3-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,4-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2-Dichlorobenzene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
1,2,4-Trichlorobenzenc	2.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0		<u> </u>
Hexachlorobutadiene	1.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0		
		_									$\vdash \dashv$
MDI - Made d Data dan Titul		<del></del>	<del></del>			<del></del>					

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 1-31-02

QC Batch #: 020122MS2A1

Matrix: Air

		E	PA Met	hod TO	-14/TO-	15					
Lab No:	Method Blank		L	CS	LC	CSD				<u> </u>	
Date Analyzed:	01/22/02		01/2	2/02	01/2	22/02					
Data File ID:	22JAN005.D		22JAI	1003.D	22JAN	N004.D					
Analyst Initials:	SC		S	C	s	C					
Dilution Factor:	1.0		1	.0	1	.0			Limits		
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	8.7	87	8.4	84	3.4	70	130	30	Pass
Methylene Chloride	0.0	10.0	9.7	97	9.2	92	5.7	70	130	30	Pass
Trichloroethene	0.0	10.0	7.9	79	7.7	77	3.2	70	130	30	Pass
Toluene	0.0	10.0	8.1	81	7.8	78	3.7	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.5	85	8.2	82	3.4	70	130	30	Pass
	<u></u>			<u> </u>		<u> </u>	<u></u>				

RPD = Relative Percent Difference

Reviewed/Approved By:

11.1

Mark Johnson

Air Toxics Operations Manager

1.1 PAIC 1 UAIC 1 Per cover letter is an integral part of this analytical report

Date: 1-31-02

### 02/05/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A2012801-01/05

Enclosed are results for sample(s) received 1/28/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 2/05/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

CERT OF OR A TED

# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

	LABORATORY SERVICE ID LABORATORY CONTACT MAJL REPORT (COMPANY NAME)	TONE DE LA CESTA CRESTON INC	RECIPIENT NAME	6 ME #130	35		Comments	1*L TEDIAR BAG	a≪ı	SCHEON - C	SCROWN - INFLUENT	SCREW- EPFLUENT						COOLER TEMPERATURE UPON RECEIPT	E SAMPLE'S CONDITION UPON RECEIPT	
	H	455	167 08 F.				Y	<b>├</b>	× -	×	×	X							01/28/02 12:40	l lytical Report)
396-1455	ž	909-396-1455	PROJECT NUMBER	PROJECT FAX	US NAVY SWDIY	909-39 6-1455	DO TO * DESONA	*										NUMBER	RECEIVED BY	1 be returned with Ana
ZZ63Z GOLDEN SFHINGS DH., SUITE 270 DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455	LAB COORDINATOR'S PHONE	909-396-7662	ATION / /	774-920-8438	_	16-7662		0/ 20-%		050/	SSOI	001/						COURIER AND AIR BILL NUMBER	July 1	White - Laboratory (To
DEN SPHINGS 1 BAR, CA 91765 •	LAB COORDIN		_	ā		PHONE OF				-03	40-2	7-05						Malle	ВУ	Distribution:
DIAMOND (	GEOFON'S LAB COORDINATOR	LED W. WILLIAMSON	PROJECT NAME # 1	PROJECT CONTACT  L. L. L. L. L. L. J. M. Y. S. N. J.	PROJECT ADDRESS  PROJECT ADDRESS	PROJECT MANAGER	E Sample Identifier	1 TY-VEI-A-7-0	2 T4-VE1-B-7-02	3 T4-VE1-C-7-1	4 TY-VEI-INN-7-04	5 T4-VB1-6PE-7-05	9	7	8	6	01	SAMPLES COLLECTED BT	RELINGUAGED BY	

Client's Project: Date Received: JPL #1 01/28/02

Matrix: Units: Air ppbv

### **EPA Method TO14**

					<del></del> -					I	<del></del> -i
Lab No:		A201280	1-01	A201280	01-02	A201280	1-03	A201280	01-04	A201280	)1-05
Client Sample I.D.:		T4-VE1-A	k-7-01	T4-VE1-I	B-7 <b>-</b> 02	T4-VE1-0	C-7-03	T4-VE1-IN	₹N-7-04	T4-VE1-EI	FF-7-05
Date Sampled:		01/28/	02	01/28/	02	01/28/	02	01/28/	02	01/28/	02
Date Analyzed:		01/30/	02	01/30/	02	01/30/	02	01/30/	02	01/30/	02
QC Batch No:		020130M	S2A1	020130M	[\$2A1	020130M	S2A1	020130M	IS2A1	020130M	IS2A1
Analyst Initials:		SC		SC		SC		SC		SC	
Dilution Factor:		5.0		4.0		2.0		3.0		1.0	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Dichlorodifluoromethane (12)	1.0	6.0	5.0	4.9	4.0	ND	2.0	ND	3.0	5.7	1.0
Chloromethane	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2,0
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Vinyl Chloride	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Bromomethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Trichlorofluoromethane (11)	1.0	ND	5.0	33	4.0	69	2.0	42	3.0	63	1.0
1,1-Dichloroothene	1,0	11	5.0	87	4.0	31	2.0	52	3.0	15	1.0
1,1,2-Cl 1,2,2-F ethane (113)	1.0	6.5	5.0	86	4.0	80	2.0	71	3.0	135	1.0
Methylene Chloride	1.0	ND	5.0	ND	4.0	2.0	2.0	ND	3.0	2.6	1.0
1,1-Dichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	1.5	1.0
c-1,2-Dichloroethene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chloroform	1.0	371	5.0	194	4.0	118	2.0	165	3.0	6.5	1.0
1,1,1-Trichloroethane	1.0	8.3	5.0	17	4.0	8.3	2.0	12	3.0	ND	1.0
Carbon Tetrachloride	1.0	819	5.0	580	4.0	255	2.0	432	3.0	5.5	1.0
Benzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2-Dichloroethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Trichloroethene	1.0	ND	5.0	91	4.0	196	2.0	132	3.0	ND	1.0
1,2-Dichloropropane	1.0	ND	5.0	ND	4,0	ND	2.0	ND	3.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Toluene	1.0	49	5.0	45	4.0	28	2.0	3.8	3.0	ND	1.0
t-1,3-Dichloropropene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	5.0	ND	4.0	ND	2,0	ND	3.0	ND	1.0
Tetrachloroethene	1.0	14	5.0	44	4.0	24	2.0	35	3.0	ND	1.0
1,2-Dibromoethane	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Chlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Ethylbenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
p,&m-Xylene	1.0	8.9	5.0	5.8	4.0	4.2	2.0	4.5	3.0	ND	1.0
o-Xylene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
Styrene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
1,3-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	10	ND	8.0	ND	4.0	ND	6.0	ND	2.0
Hexachlorobutadicne	1.0	ND	5.0	ND	4.0	ND	2.0	ND	3.0	ND	1.0
								<del></del>			
									<u> </u>		

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 2-5-62

QC Batch #: 020130MS2A1

Matrix: Air

		EPA	Metho	od TO-	14/TO-	15	·				
Lab No:	Method Blank		L	CS	LC	CSD					
Date Analyzed:	01/30/02		01/3	0/02	01/3	0/02					
Data File ID:	30JAN006.D		30JAN	1004.D	30JAN	N005.D					
Analyst Initials:	SC		S	C	S	C					
Dilution Factor:	1.0		1	.0	1	.0	_		Limits		
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,I-Dichloroethene	0.0	10.0	11.2	112	10.8	108	3.1	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.7	127	12.4	124	2.3	70	130	30	Pass
Trichloroethene	0.0	10.0	9.2	92	9.2	92	0.0	70	130	30	Pass
Toluene	0.0	10.0	10.0	100	10.0	100	0.6	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	8.6	86	8.6	86	0.5	70	130	30	Pass

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

**Air Toxics Operations Manager** 

The cover letter is an integral part of this analytical report

Date: 2-5-02

## **FEBRUARY 2002**

### 03/04/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A2022108-01/05

Enclosed are results for sample(s) received 2/21/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 3/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

# CHAIN-OF-CUSTODY RECORD

LABORATORY COPY

MAIL REPORT (COMPANY NAME)			1	7 N	Comments	1 * L TEDLAR BAG	50100 - B	SCLEAN - C	SCLEBOY - INFLUENT	SCLEON - EPFLUENT						COOLER TEMPERATURE UPON RECEIPT	SAMPLE'S CONDITION UPON RECEIPT		w - Project Data Manager
LABORATORY SERVICE 10  LABORATORY CONTACT  TO AM IN F. LABORATORY CONTACT	626-964-4032 (226-964-5832	1850 R. CALLE AND #130	CITY, STATE AND ZIPCODE	να ΣΣηΙ-9		×	×	~	~								TIME		Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager
2 769-1455 2 769-396-1455		PROJECT FAX	CLIEST US SA	909-39	Daylosolo alliji	1 2 1	_	6	\(\sigma_{\sigma}\)	) 007	-					JR BILL NUMBER:	RECEIVED BY DATE	<b>)</b>	ry (To be returned with Analytical Re
		DN 714-920-8438	DL MKRDENDA CA	4 709396-7662	Sied tiller	1 A1R 2200 114	1									COURLER AND AIR BILL NUMBER:		<del>{</del>	Distribution: White - Laborator
GEOFONY LAB COORDINATOR	PROJECTNAME 4	LED W.WILLIAMON	PROJECT ADDRESS  PROJECT ADDRESS	ISLAN FATTER	Sample Identifier	1 TY-VB1-A-10-0	2 TH-VEI-B-10-02	3 TY-VEI-C-10-03	4 TY-VEI-INM-10-04	5 TY-VEI- EFF-10-05	9	7	8	6	01	SAMPLES COLLECTED BY	RELINOMISHED BY	y) Low	

Client's Project: JPL #1
Date Received: 02/21/02
Matrix: Air
Units: ppbv

### **EPA Method TO14**

Lab No:		A20221	08-01	A20221	08-02	A20221	08-03	A20221	08-04	A20221	00 UE
Client Sample I.D.;		T4-VE1-	\-10-01	T4-VE1-1	_	T4-VE1-0		T4-VE1-IN		T4-VE1-E	CFF-10-
Date Sampled:		02/21	/02	02/21	/02	02/21	/02	02/21	(02	05	
Date Analyzed:	-	02/22		02/22	_	02/21		02/21		02/21	
QC Batch No:		020222N		020222N		020222N		02/22		02/22	
Analyst Initials:		SC		SC		SC		020222N		020222N	
Dilution Factor:		4.0		4.0		2.0		SC 4.0	_	SC	
ANALYTE	MDL	Result	RL	Result	RL	Result	RL	Result	RL	Result	
Dichlorodifluoromethane (12)	1.0	4.4	4.0	5.8	4.0	ND	2.0	ND	4.0	ND	RL
Chloromethane	2.0	ND	8.0	ND	8,0	ND	4.0	ND	8.0	ND ND	2.0
1,2-C!-1,1,2,2-F ethane (114)	1.0	ND	4.0	ND	4,0	ND	2.0	ND	4.0	ND	1.0
Vinyl Chloride	1.0	ND	4.0	ND	4.0	ND	2.0	ND ND	4.0	ND	1.0
Bromomethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND ND	1.0
Trichlorofluoromethane (11)	1.0	ND	4.0	63	4.0	114	2.0	60	4.0	ND ND	1.0
1,1-Dichloroethene	1.0	16	4.0	115	4.0	36	2.0	53	4.0	ND	1.0
1,1,2-Cl 1,2,2-F ethane (113)	1.0	8.3	4.0	126	4.0	89	2.0	73	4.0	ND	1.0
Methylene Chloride	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1-Dichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
c-1,2-Dichloraethene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chloroform	1.0	357	4.0	227	4.0	144	2.0	208	4.0	ND	1.0
1,1,1-Trichloroethane	1.0	8.6	4.0	21	4.0	11	2.0	12	4.0	ND	1.0
Carbon Tetrachloride	1.0	830	4.0	698	4.0	288	2.0	504	4.0	ND	1.0
Benzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	1.9	1.0
1,2-Dichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Trichloroethene	1.0	4.3	4.0	106	4.0	238	2.0	139	4.0	NĐ	1.0
1,2-Dichleropropane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
c-1,3-Dichloropropene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Toluene	1.0	86	4.0	110	4.0	89	2.0	5.9	4.0	1.0	1.0
t-1,3-Dichloropropene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1,2-Trichloroethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Tetrachloroethene	1.0	9.6	4.0	49	4.0	23	2.0	33	4.0	ND	1.0
1,2-Dibromoethane	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Chlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
Ethylbenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
p,&m-Xylene	1.0	6.1	4,0	17	4.0	8.4	2.0	11	4.0	ND	1.0
o-Xylene	1.0	ND	4.0	6.5	4.0	3.0	2.0	ND	4.0	ND	1.0
Styrene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,1,2,2-Tetrachloroethane	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1,3,5-Trimethylbenzene	2.0	ND	8.0	ND	8.0	ND	4.0	NĎ	8.0	ND	2.0
1,2,4-Trimethylbenzene	2.0	ND	8.0	ND	8.0	ND	4.0	ND	8.0	ND	2.0
1.3-Dichlorobenzene	1.0	ND ND	4.0	ND ND	4.0	ND	2.0	ND	4,0	ND	1.0
1,4-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,2-Dichlorobenzene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
1,2,4-Trichlorobenzene	2.0	ND	8.0	ND_	8.0	_ ND	4.0	ND	8.0	ND	2.0
Hexachlorobutadiene	1.0	ND	4.0	ND	4.0	ND	2.0	ND	4.0	ND	1.0
MDL = Method Detection Limi		_ <u></u>				<u>.                                 </u>					

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 3-4-02

QC Batch #: 020222MS2A1

Matrix: Air

		EPA	Meth	od TO-	14/TO-	15				<del></del> -	
Lab No:	Method Blank		L	CS	LC	SD					
Date Analyzed:	02/22/02	}	02/2	22/02	02/2	2/02					
Data File ID:	22FEB006.D	]	22FE	B003.D	22FEJ	3004.D					}
Analyst Initials:	sc		S	C	S	C					
Dilution Factor:	1.0		1	.0	1	.0			Limits		[
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.6	116	11.7	117	1.1	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.7	127	12.6	126	0.7	70	130	30	Pass
Trichloroethene	0.0	10.0	9.8	98	9.7	97	0.4	70	130	30	Pass
Toluene	0.0	10.0	9.4	94	9.5	95	0.2	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	7.9	79	8.0	80	1.0	70	130	30	Pass
	<u>.                                      </u>					<u>_</u>					

RPD = Relative Percent Difference

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

### 03/04/2002

Geofon, Inc.

ATTN: Leo W. Williamson

22632 Golden Springs Dr., Suite 270

Diamond Bar, CA 91765

Project Reference: JPL #1

Lab Number:

A2022604-01/02

Enclosed are results for sample(s) received 2/26/02 by Advanced Technology Laboratories, Inc. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

Sample analyses were performed within method performance criteria. All results are reported without qualifications.

Results were faxed to Leo W. Williamson on 3/04/02.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Air Toxics Operations Manager

mark@atlglobal.com

**Enclosures** 

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# CHAIN-OF-CIISTODY RECORD

GEOFON	CHAIN-OF-CUSTODY RECORD	CUSTODY R	ECORD	LABORATORY COPY
22632 GOLDEN DIAMOND BAR,				
ž (~.	196-1455	LABORATORY SERVICE ID	JOHN DE LA 95CA	MAIL REPORT (COMPANY NAME)
	PROJECT NUMBER 04-4304:480	1.000RATORY PHONE	L26-964-5832	RECIPIENT NAME  (KJ) 10, (3)   (1) Amy Con 3
139 W. WILLIAMYS 714-920-8438	1/4	18501 6, GALE	1801 B. CHIE ME #130	ADDRESS # 276
CITY, STATE AND ZIPCODE	OS NAVY SWELL	CITY, STATE AND ZIPCODE	CITY STATE AND ZIPCODE	CITY. STATE AND ZIPCODE  STATE AND ZIPCODE  STATE AND ZIPCODE
PROJECT MANAGER'S PHONE 909-291-762	291,-14rt	29		
Sample Identifier	(3, 3, 7) (100 30 Ronasa)	E. E		Comments
11 AIR 2760 1125	1× 2 MG	\ \ \ \ \	*	* L VEBLAR BAG #2022007
130 MMB	* 3 Nollar X	×	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- STPLUENT
	1			
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COURIER AND AIR I	_		COOLE	COOLER TEMPERATURE UPON RECEIPT
To Melinghamen Courtelation	2/24/02	TIME 12.15	SAMPLE'S CC	SAMPLE'S CONDITION UPON RECEIPT
				10 10 10 10 10 10 10 10 10 10 10 10 10 1
Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager	ned with Analytical Re	sport); Goldenrod - I	Project File; Yellow - Pro	ect Data Manager

Client's Project: JPL #1
Date Received: 02/26/02
Matrix: Air
Units: ppbv

### EPA Method TO14

Lab No:		A2022604-01		A2022604-02							
Client Sample I.D.:		T4-VE1-INN-11-01		T4-VE1-EFF-11- 02							
Date Sampled:		02/26/02		02/26/02						<del></del>	
Date Analyzed:		02/26/02		02/26/02		· · · · ·		<del> </del>	-	<del>-</del>	
QC Batch No:		020226MS2A1		020226MS2A1				+	<del>-</del>	+	
Analyst Initials:		SC		SC		<del>†                                      </del>		<del> </del>		<del>                                     </del>	
Dilution Factor:		3.0		1.0		<del>                                     </del>	_	<del>                                     </del>		<del> </del> -	
ANALYTE	MDL	Result	RL	Result	RL	<del></del>	T -	<del>                                     </del>	Т-	<del>+</del>	т—
Dichlorodifluoromethane (12)	1.0	5.2	3.0	ND	1.0		<del> </del> -	<del></del>	+	+	-
Chloromethane	2.0	ND	6.0	ND	2.0	<del> </del>	<del>                                     </del>		<del> </del>	<del>                                      </del>	+
1,2-Cl-1,1,2,2-F ethane (114)	1.0	ND	3.0	ND	1.0		<del>                                     </del>	<del></del> -	+	<del></del>	+-
Vinyl Chloride	1.0	ND	3.0	ND	1.0	<del> </del>	<del>                                     </del>	·	<del> </del> -	<del> </del>	+
Bromomethane	1.0	ND	3.0	ND	1.0	<del>  -</del>	1	<del> </del>	<del> </del>	<del> </del> -	+
Chloroethane	1.0	ND	3.0	ND	1.0		<del>                                     </del>	<del>                                     </del>	+		+
Trichlorofluoromethane (11)	1.0	72	3.0	ND	1.0	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	+	<del> </del> -	+
1,1-Dichloroethene	1.0	50	3.0	ND	1.0	<del></del>	+	<del> </del>	+-	<del> </del> -	1
1,1,2-Cl 1,2,2-F ethane (113)	1.0	74	3.0	ND	1.0	<del> </del>	<del>                                     </del>	<del> </del>	+	<del></del> -	+
Methylene Chloride	1.0	ND	3.0	ND	1.0	<del>                                     </del>		<del></del> -	-	<del> </del>	+ -
1,1-Dichloroethane	1.0	ND	3.0	ND	1.0	<del></del>	-	<del> </del>	+	<del> </del>	┼
c-1,2-Dichloroethene	1.0	ND	3.0	ND	1.0	-	<u> </u>	<del> </del>	<del> </del>	<del> </del>	┼──
Chloroform	1.0	213	3.0	ND	1.0			<del> </del>	<del> </del>	<del> </del> -	+
1,1,1-Trichloroethane	1.0	11	3.0	ND	1.0	<del> </del> -		_	<del>  -</del>	<del>                                     </del>	<del> </del> -
Carbon Tetrachloride	1.0	453	3.0	ND	1.0		<del> </del>		<del> </del>	<del>                                      </del>	<del> </del>
Benzene	1.0	ND	3.0	2.3	1.0		<del> </del> -		<del>                                     </del>	<del>                                     </del>	┼
1,2-Dichlaroethane	1.0	ND	3.0	ND	1.0				+	<del> </del>	+
Trichloroethene	1.0	126	3.0	ND	1.0	<del></del>		<del> </del>	<del></del>	<del> </del>	<del> </del>
1,2-Dichloropropane	1.0	ND	3.0	ND	1.0				<del> </del> -	<del> </del> _	<del> </del>
c-1,3-Dichloropropene	1.0	ND	3.0	ND	1.0				<del>                                     </del>	<del>                                      </del>	<del> </del>
Toluenc	1.0	4.0	3.0	ND	1.0			<del>                                     </del>	<del> </del>		+
t-1,3-Dichloropropene	1.0	ND	3.0	ND	1.0		1	-	┢	<del> </del>	+
1,1,2-Trichloroethane	1.0	ND	3.0	ND	1.0				├──		<del> </del>
Tetrachloroethene	1.0	31	3.0	ND	1.0		_		<del>  -</del>		┼──┤
1,2-Dibromoethane	1.0	ND	3.0	ND	1.0				<del> </del>	<del></del>	┼─┤
Chlorobenzene	1.0	ND	3.0	ND	1.0				<del> </del> -		┼─┤
Ethylbenzene	1.0	ND	3.0	ND	1.0				<del> </del>		1
p,&m-Xylene	1.0	8.9	3.0	ND	1.0			- <del></del>	<del>  -</del>		├──┤
o-Xylene	1.0	3.1	3,0	ND .	1.0	-	_		<del>                                     </del>		<del> </del>
Styrene	1.0	ND	3.0	ND	1.0			<del>-</del>	<del> </del> -		┼╼╌┤
1,1,2,2-Tetrachloroethane	2.0	ND	6.0	ND	2.0				<del>                                     </del>	<del>                                       </del>	$\vdash$
1,3,5-Trimethylbenzene	2.0	ND	6.0	ND	2.0				<del>  -</del>	<del></del>	<del>                                     </del>
1,2,4-Trimethylbenzene	2.0	ND	6.0	ND	2.0			<del>-</del> -	-		┝─┤
1,3-Dichlorobenzene	1.0	ND	3.0	ND	1.0		_	<del>-</del> -	<del> </del>		<del>  </del>
1,4-Dichlorobenzene	1.0	ND	3.0	ND	1.0		_	<del></del> -			┼──┤
1,2-Dichlorobenzene	1.0	ND	3.0	ND	1.0				<del>-</del>		<del>  </del>
1,2,4-Trichlorobenzene	2.0	ND	6.0	ND	2.0				_	<del></del>	┝─┤
Hexachlorobutadiene	1.0	ND .					_				
	1.0	עוו	3.0	ND	1.0						<b>  </b>
MDI - Mathad Data-time Line					<u>_</u>						إلـــــا

MDL = Method Detection Limit ND= Not Detected (below RL) RL = MDL X Dilution Factor

The cover letter is an integral part of this analytical report

Reviewed/Approved By:

Mark Johnson

Air Toxics Operations Manager

Date 3-4-02

QC Batch #: 020226MS2A1

Matrix: Air

EPA Method TO-14/TO-15											
Lab No:	Method Blank		LCS		LCSD		·-		-	· .	
Date Analyzed:	02/26/02		02/26/02		02/26/02						
Data File ID:	26FEB003.D		26FEB012.D		26FEB013.D						
Analyst Initials:	SC		SC		SC						
Dilution Factor:	1.0		1.0		1.0			Limits			1
ANALYTE	Result ppbv	Spike Amount	Result ppbv	% Rec	Result ppbv	% Rec	RPD	Low %Rec	High %Rec	Max. RPD	Pass/ Fail
1,1-Dichloroethene	0.0	10.0	11.5	115	12.0	120	4.7	70	130	30	Pass
Methylene Chloride	0.0	10.0	12.3	123	13.0	130	5.1	70	130	30	Pass
Trichloroethene	0.0	10.0	9.9	99	10.4	104	5.1	70	130	30	Pass
Toluene	0.0	10.0	9.7	97	9.9	99	2.1	70	130	30	Pass
1,1,2,2-Tetrachloroethane	0.0	10.0	7.8	78	8.2	82	5.5	70	130	30	Pass
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RPD = Relative Percent Difference

Reviewed/Approved By: _

Mark Johnson

Air Toxics Operations Manager